



# MAILBOX

John Zondro  
1802 N. Rockwell,  
Apt. 107  
Bethany, OK 73008  
(405) 787-3717  
Deadline: 5th

### New Members:

John Demmitt  
A. Lazarus

Box A, K0848  
333 Candee Ave., #3D

Bellefonte, PA 16823  
Sayville, NY 11782

### Renewals:

Michael Albanese, Dean Bianco, Don Blevins, Rolf Blodorn, G. Cranston  
Bonnell, Mike Brewer, Chris Hansen, Mark Harms, Richard Hawkins,  
W.R. McIntosh, Gerald Pulice, David Rogers, Eric Schutz, Yuuzi Shirahama,  
John Stoffel, David Wurl.

### Address Changes:

Richard Clark-Apartado 273-LaVega, Dominican Republic  
Takahito Miki-Japan ECL Federation-6F. DAI ROKU Central Building-  
19-10 Toranomom 1chome-Minato ku, Tokyo 105, Japan  
Gerald Pulice-3201 Richmond Road-Staten Island, NY 10306  
John Stoffel-Box 1616-Sag Harbor, NY 11963

### Renewals Due in March:

John Bolduc, Fred W. Born, Ed Erindle, Paul Buehler, Danny Buntin,  
Lynn Burke, John Callarman, Bob Coomler, Thomas Cornell, Richard Culin,  
David Curvin, Clinton Day, Bill Draeb, George DuBois, Pat Dyer, Alvin  
Fair, Ronald Green, Christopher Hanley, Gerard Hart, Steve Hendrix,  
Daryl Herzog, Damon Hill, Glenn Jacobs, Fritz Kunze, Joe Markewicz,  
Greg Monti, Fred Nordquist, Guy Ogden, Jim Pizzi, Les Price, Mike Reid,  
John Robertson, Bob Seybold, Craig Simons, Joseph Smith, Jr., Richard  
Steinberger, John Sulak, Philip Sullivan, Donald Swope, Pete Taylor,  
William Wild, Mike Worst, Neil Zank, Charles Zipser.

Our only intro this month is for JOHN DEMMITT. John is a TV repairman  
interested in all phases of DXing. He belongs to NASWA and SPEEDX, and  
uses a TV set with a signal generator.

### Tidbits.....

We have a few comments this month from Bill Fahber (336 Atlantic St.,  
Bridgeton, NJ 08302): "Last summer I wrote to the Mailbox about some  
observations on CCI between two stations of the same offset frequency. I  
also promised to make some observations of 10 kHz and 20 kHz CCI. I also  
got more notes on 0 kHz CCI.

As of my first letter, all the 0 kHz CCI I observed showed no  
noticeable variation in frequency. Since then, I've observed two extremes.  
One was an unIDed channel 2 almost exactly 118.80 Hz away from WMMR (at  
least for video). The vertical blanking line floated between two black  
lines almost perfectly motionless for several minutes. Then on the other  
hand I noticed on 8/26/80 WTVD and WPIX, channel 11 (both +10 kHz),  
varying gradually back and forth between 2 Hz and about 50 Hz. WABC and  
WITN (channel 7, no offset) were seen to vary, also.

My audio experiment for 10 and 20 kHz was scrapped almost immediately  
for two reasons. First, 20 kHz is beyond the range of human hearing, but  
I can still hear the buzz between WJZ (13+) and WVEC (13-), or between  
WENI (11-) and WPIX (11+). Second, the buzz has no definite pitch, but  
apparently several pitches. Maybe the horizontal sync pulse (15,734 kHz)  
has something to do with the buzz.

I did get one chance, however, to relate CCI to a humming sound this  
week with an unID on channel 2 (by meteor scatter). Approximately 6 to 8  
rapidly moving lines were produced. I identified the hum as between C#  
and G natural, which is 280 Hz + 2 Hz. That would produce (divided by  
60 frames/second) 6 lines per second, which would move upward rapidly.

Going back to the 10 and 20 kHz, I am about to lay a bombshell, and  
I hope somebody with more knowledge will put me back in place or else  
confirm the following remarks. I wish to refute the established belief  
that 20 kHz CCI produces more lines than 10 kHz. In fact, I'll go further  
to say that 10 kHz produces more interference lines than 20 kHz! First,  
how can a system that produces 15,734 scan lines per second show 20,000  
interference lines. Second, I did some figuring and came to the following

(Fahber, cont.) figures: two hypothetical stations offset from each other by exactly 15,734 would produce a vertical line. I see this often on channel 9. WOR comes in both directly and by a faint cable TV signal. The cable TV alters the frequency by about 15,000 Hz. At times it nears 15,734 Hz and a black line nearly parallels the horizontal blanking. Actually, the picture will be black on the sides and snowy in the middle. To get back to the subject, a single diagonal line would mean 60 Hz off of the 15,734 figure. Each line you see would indicate 60 Hz. Hence, 10 kHz offset produces 96 lines, and 20 kHz produces only 71 lines. Third, for stations differing by 20 kHz, those 71 lines will be diagonal, higher on the right, lower on the left, and about 4 scan lines apart, whereas stations differing by 10 kHz will produce 96 diagonal lines, higher on the left and lower on the right, and about 3 scan lines apart. Fourth, the difference in frequencies do vary. Stations differing by an exact multiple of 59.94 will produce stationary lines, slightly greater will make the lines drift upward, slightly lower will make it drift down. If the difference is too great, the lines will move too rapidly and observation will be totally useless.

So much for talk, but what about observation? On a normal tropo day CCI will be produced between New York and the Baltimore-Washington area on channels 2, 4, 5, 7, 9 11 and 13. Channels 2, 4, 7, and 9 are 10 kHz apart; channels 5, 11 and 13 are 20 kHz apart. Cable TV caused some problems, but channel 11 and 13 agreed diagonally with my figure. Other tropo conditions also confirming were channel 13 (WJZ is +, WVEC is -), channel 27 (WYAH is 0, WHTM is -), channel 8 (WGAL is -, WXEX is 0), and channel 10 (WCAU is 0, WAVY is +). One night on channel 16, diagonal lines on channel 16 suggested 20 kHz over WBOC (16+). This was a clue that the interfering station could have been WNEP (16-).

One last note- translators and cable TV apparently do not conform to any offset laws, as they stray from 10 or 20 kHz offsets beyond what the FCC allows for a broadcast station.

I know this is rather lengthy, but perhaps this may help, rather than mislead, in identifying stations. I hope to hear replies from those who have been DXing longer than I have and have studied this more deeply."

Next up, these words from recently returning member Don Voegele: "I'm teaching electronics and math at the College of Marin, near San Francisco, a beautiful area. No time to DX (no TV), my interest is in technical articles such as Bob Cooper or Dave Janowiak used to have. My greetings especially to former AIPA people. I got into electronics from DXing at Lancaster NY, near Buffalo." Many thanks to Don and Mike Hardester for passing along Christmas greetings to those of us at club HQ.

In the December VUD, you'll recall I detailed the WTFDA votes on several ANARC items. Here's how the issues fared:

1. Thunder Bay won the 1981 ANARC convention, getting 13 votes to 1 for St. Louis, with 2 clubs not voting. WTFDA voted for Thunder Bay.
2. The club dues increase was approved 11 to 3, with 2 clubs not voting (2 clubs didn't vote on any issues). WTFDA was one of the three opposed. Dues will increase from the present \$2 per 100 members to 5¢ per member. It will represent a 250% increase in WTFDA ANARC dues.
3. The Newsletter subscription rate increase was approved 13 to 1, with WTFDA on the favoring side. It will increase to \$5 per year effective March 1, as a postage increase is expected soon.
4. ANARC convention sites will be chosen a year in advance at the annual convention. The vote was 13-1, with WTFDA the lone dissenter.
5. The constitutional amendments were approved unanimously.
6. Dave Browne was re-elected ANARC Executive Secretary, with 13 clubs saying yes and 1, WTFDA, saying no. As indicated in the December VUD, your 3 WTFDA ANARC reps, myself, Morrie Goldman and Pete Oprisko, objected to the way Browne's nomination was railroaded through without an announcement in the ANARC Newsletter asking for nominations.

Our condolences go to the family of Mort Meehan, who died recently. He was a long-time WTFDA member, and will be sorely missed.

Back to ANARC once again, you can get info on the 1981 Thunder Bay convention by writing to the Canadian SWL International club at P.O. Box 142, Thunder Bay, ON P7C 4V5. Republic Airlines has discontinued service to Thunder Bay via Duluth, but Superior Airlines has picked up the route. Each airline now books passengers through Duluth with connecting flights on each other's line. Republic was the only major U.S. carrier serving Thunder Bay.

See y'all next month.....73.....jz

# FM NEWS

## New Stations, Translators Granted

AZ Thatcher (remember KGIA educational that existed there in the early 1950s? 99.1 100000; 2000)  
 AR Cherokee Village 103.9 3000 h.v. 300'; m  
 AR Fordyce 101.7 3000 h.v. 290'  
 CA Arroyo Grande K296BL 107.1 \$, g (KEAR 106.9 San Francisco CA translator)  
 CA Delano 105.3 50000 h.v. 500'; soul  
 CA Lompoc K240AL 99.9 \$, g (KEAR 106.9)  
 CA Santa Maria K232AJ 94.3 \$, g  
 CA South Lake Tahoe K221AQ 92.1 \$, g KEAR K257AQ 99.3 \$, g (KEBR 100.5 Sacramento CA)  
 CO Grand Junction \*90.3 2000 h.v.; 440'  
 Columbus Evangelical Church  
 ID Soda Springs 100.1 3000 (h); -275'  
 IN Terre Haute \*90.5 160 (h); 80' Rose-Hulman Institute of Technology  
 LA Port Sulphur 106.7 50000 h.v.; 175'  
 ME Eastport \*91.7 10 Shead High School  
 NH Manchester \*90.7 290 h.v. 23' St. Anselm's College

TX Corpus Christi 99.1 100000 h.v.; 930'  
 TX Haskeell 95.5 100000 h.v. 530'  
 TX Mercedes 106.3 3000 h.v.; 280'  
 WI West Salem 100.1 1000 h.v.; 530'; m  
 ON Brockville CHXL-FM\* 103.7  
 ON Chatham CLUB-FM\* 94.3  
 ON Niagara Falls CIAO-FM\* 104.9  
 ON Owen Sound CBCO-48 98.7  
 ON Pembroke CBCO-52 96.7  
 ON Renfrew CBDF-8 98.7  
 GUATEMALA TGMV-FM Guatemala 105.5 \$, mg; 5000; Seventh-day Adventist Church

## Facilities' Changes Granted

AZ Bisbee K2MK 92.1 50 h.v.; 2235'  
 CA Arcata KHSU \*91.5 vertical  
 FL Coral Gables WVUW \*90.5 370 (h); 170'  
 FL Jensen Beach WHLG from 107.1 to 102.3--on air on 102.3, said to be interfering with the reception of W27AB West Palm Beach. Stereo?  
 KS Scott City KULL 94.5 100000 h.v.; 350'  
 LA Baton Rouge WBRH \*90.3 v  
 LA Hammond KSLU \*90.9 270 (h); 110'  
 MA West Barnstable WKKL \*90.7 vertical  
 NC Sanford WDCC \*90.5 (from 89.5) 3000 h.v.; 150'  
 NC Williamston WSEC 103.7 330' (50000 h.v.)  
 OH New Concord WMCO \*90.7 1300 h.v.; 84'  
 OH Toledo WAMP \*88.3 107; 125 feet  
 OK Durant KHIB \*81.9 320 h.v.; 135' [-81'  
 OR Corvallis KBVR \*88.7 (x-90.1) 340 h.v.; /  
 OR Klamath Falls KTEC \*88.1 vertical  
 JR Pendleton KRBM \*90.9 440 (h); -185'  
 PA Millersville W1XQ \*91.7 130 h.v.; 69'  
 SC Charleston WKTM 102.5 100000 h.v.; 670'  
 WEZL 103.5 100000 h.v.; 670'  
 TN Murfreesboro WKOS 96.3 100000 h.v.; 1450'  
 TX Plains KPLN from 90.7 to \*90.3 220 (h); 135'  
 UT Ogden KWCR \*88.1 130 h.v.; 470'  
 PQ Quebec CJMF 93.3 (not 94.3), m (French)

## FM Stereo Authorized

AZ Coolidge 103.9  
 IL Springfield WNNS 98.7, ds, "99-FM"  
 IA Fairfield KBCT 95.9  
 KS Beloit KRJZ-FM 105.5, m ON AIR 2900 h.v.; 82'  
 MD Elkton WOEL \*88.3, gc TN Gallatin WVCP \*88.5  
 MT Sidney KGCH 93.1  
 NY Hornell WCKR 92.1 VA Chesapeake PA Sunbury WQXX 94.1 WFOS \*90.5  
 VT Burlington WVPV \*107.9 cj, P (dual id with WVPR \*89.5 Windsor, but said to be constructing studios in Colchester VT for separate programming, at least at times)

## NonIDs/Slogans Used

IN Columbia City WKSX 106.3 FM-106  
 KY Fort Knox WWKK 105.5 K-105 (90's/strict)  
 MD Catonsville WKTK 105.7 KTK-105, rock  
 NY Corning WZKZ 106.1 KZ-106  
 OH Hamilton-Cincinnati WOKV 103.5 Rock-104 (strict)  
 PA Lock Haven WBPZ-FM 92.1 Country-92  
 PA Scranton (add to p. 103, FM Atlas) WGBI-FM 101.3 Stereo-101  
 PA State College WQWK 96.7 Quick  
 PA Wilkes-Barre WYZZ 92.9 Whiz  
 TX Fort Worth KFJZ-FM 97.1 now FM-97  
 PQ Longueuil CIEL 98.5 Sval-MF  
 PQ Trois Rivières CBMZ 106.9 "CBC Radio, 940, Montreal."

## SCA 67 kHz FM Subcarriers

CA San Diego KPRI 106.5 adds SCA  
 FL Punta Gorda WQLM 92.7 music  
 FL Tallahassee WFSU \*91.5 no SCA  
 OK Grove KGVE 99.3 adds SCA [-music.  
 TX Dallas KZEW 97.9 now +X, no longer /  
 WI Hayward WCHP \*88.9 adds SCA

## Call Letters Assigned or Changed

IL Chicago 94.7 WLS-FM (was WRCK)  
 IN Plainfield 98.3 WXIR (WART), still g, S  
 ME Augusta 92.1 WSCL  
 ME Westport 100.9 WYNZ, Z-101 (strict), still pr [was WLOB-FM].  
 MA Nantucket 93.5 WGT  
 MI Detroit 97.9 WJLB (WMZK); now soul  
 MO Florissant 97.1 KCFM (KSCF)  
 NH Concord \*89.1 WEVO  
 ND Williston 96.1 KYYZ (KLAN)  
 SO Yannton 100.3 KKYA  
 TN Kingsport \*91.3 W217AC (not W217AB)  
 TX Round Rock \*88.1 KHCS-FM\*  
 ON Belleville 94.3 CB8B-FM\*  
 ON Geraldton 93.7 CBON-22  
 ON Kasabonika Lake 90.1 CFKP-FM\*  
 ON Leamington 103.1 CBEF-1  
 ON Manitowadge 96.9 CBON-23  
 ON Muskrat Dam 105.1 CFMO-FM\*  
 ON Peterborough 103.9 CB8P  
 ON Sachigo Lake 90.1 CFY-FM\*  
 ON Sarnia 99.9 CHOX-FM\*  
 ON Sudbury 105.3 CJMX - ON AIR  
 ON Weagamow 90.1 CHWL  
 ON Webbeque 90.1 CKPN  
 ON Wunnummin 90.1 CHPN

## Formats/Networks

AL Gadsden WQEN 103.7 rp  
 CA Angwin KANG \*89.9 cg, I  
 CA Fowler KTED 96.7 rg  
 CA Los Angeles KUSC \*91.5 cj  
 CA Manteca KQKK 96.7 k  
 CA Red Bluff KSNR 95.9 (missing from FM Atlas' FMaps), now rock  
 CA Sacramento KXPR \*88.9 cj KAER 92.5 now m (not c)  
 CA Santa Monica KCRW \*89.9 jc  
 GA Columbus WVOG 102.9 said to be gk  
 HI Waikuku KAOI 95.1 rm (and its Maui-Waikuku Heights--translator on 96.7)  
 IL Champaign WPCD \*88.7 U  
 IL Chicago WEFM 99.5 m (from rock)  
 IN Alexandria WAXT 96.7 NBC network  
 IN Muncie WWDS \*90.5 UPI Audio  
 IA Des Moines KRNO 102.5 RKO network  
 KY Owensboro WSTO 96.1 rock  
 MI Grand Haven WFMG 92.1 CBS  
 MI Grand Rapids WCUZ-FM 101.3 C (no I)  
 NE Lincoln KBHL 95.3 k (from rg)

Bruce F. Elving, Editor  
 4515 Avenue "E"  
 Kearney NE 68847

Contributions welcome--contributors' names to be listed next month.

NJ Egg Harbor City WRDR 104.9 m  
 NJ Trenton WKXW-FM 101.5 rp  
 NY Schenectady WGF 99.5 dropping nonID  
 "Rock-99," to be live; still soft rock  
 PA Havertown WHHS \*89.3, p  
 PA Lancaster WLAN-FM 96.9 r (not rm)  
 PA Philadelphia WXPX \*88.9 more cp than jc  
 WCAU-FM 98.1 j  
 WSM 104.5 mr  
 PA Reading WRFY 102.1 fm  
 TX Lufkin KYKS 105.1 rk  
 VA Hampton WHRO-FM 101.3 A (no I)  
 VA Norfolk WDFE-FM \*89.5 cj  
 WBSB \*91.5 j and talk  
 WCMZ-FM 100.5 I

## Abbreviations Used This Column

is station, h horizontal effective radiated power in watts, v vertical power in watts. [music: c is classical, d disco, e ethnic, g gospel, j jazz, k is country, m middle of the road or easy listening (no rock), p progressive rock, r is rock, s soul, t all talk. Networks: A ABC-FM with ABC standing for American Broadcasting Company; C Columbia Broadcasting System; E ABC Entertainment; I ABC Information; M Mutual; N National Broadcasting Company; P National Public Radio; R RKO network; S Associated Press Audio; T NBC's The Source; U United Press Audio; Z Sheridan Broadcasting Network.

## Readers' Reports and Comments

GA's WQXI-FM 94.1 Smyrna and WZGC 92.9 Atlanta cofinanced the move by those stations to 910' (100 kw h & v), with helicopter FM antenna to atop the Peachtree Plaza.  
 FL's WKOC 102.7 Pompano Beach serves the Haitian community with creole French music Sunday mornings (not to be confused with some French programs they do for French Canadians).  
 WVCA 104.9 Gloucester MA now on its new tower (still no v). Signal stronger, and "Mr. Geller is now getting a few more sponsors. However, the sound still leaves much to be desired."  
 WBLI 106.1 Patchogue and WKHK 106.7 New York NY have been fighting over right to call itself "106-FM." Not known if either is a nonID or not, or also uses calls with the slogan.

Portland (ME) Press-Herald writer David Williams says of WYNZ 101.3: "You knew it as WLOB-FM before last week. It plays rock so strong it is known in the business as chainsaw music. If you can stand it for 24 hours you can honestly say you are neither old, nor growing older. However, you can no longer claim any taste in music."

More FM Atlas errors, seen by Ralph Strobel: p. 86 88.3 WKOC Kankakee IL, 10 w omitted p. 88 90.1 WIAN Indianapolis should be 10000, 560, not 50000 watts.  
 p. 88 89.9 WEHB Grand Rapids MI should be 300 w, 202', not 202 w at 300'  
 Ralph bought an Akai AT V0-4 from an Oklahoma City dealer for \$188.79. "It's as good as the AJ-1510, which is now being repaired and modified: by Andy Bolin."

John Jefferson says Edmonton's phone book gives the calls for 96.3 as CKRA, as I heard them on skip, and not CKRM. Vane Jones' list shows CKRM as the calls of an AM station in Regina Sask., so CKRA must be the 96.3 call! "KSN 94.9 S. F. now k, much to the disgust of the p-rock heads. Serves them right--KSNR replaced the best c station in the state (KSFR) back in 1968."

# NORTHERN FM-DX

Ralph Strobel, editor  
2510 E. McGalliard Rd.  
Muncie, Indiana 47303  
(317) 288-5815  
Deadline: the 10th

FEBRUARY 1981

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

DXERS REPORT E-SKIP IN NOVEMBER, DECEMBER, AND ON NEW YEARS DAY!

Frank Merrill - P. O. Box 7207 - Toledo, OH 43615

Equipment: McIntosh MR-78, Channel Master 9-element yagi at 25 ft. w/rotor.

11/11 tr 0219 WDJX 103.9 OH Xenia, r, FM-104, WDJX  
(1979) 0230 WCCQ 98.3 IL Crest Hill, m, WCCQ Crest Hill, mentioned on 24 hours.  
11/12 tr 0003 WITW 96.7 MI Cadillac, s/off  
0008 WMKC 96.7 WI Oshkosh, called 'em up, nx & Herb Alpert "Rise" verified.  
0027 WIHN 96.7 IL Bloomington, Bloomington ads; 96 Win Beautiful mx, SID.  
11/18 tr 0412 WGSB 89.3 OH Cleveland, s/off, (funny announcement), 10 watts.  
0448 WCOM 97.7 IN Brazil, k, M nx, 0511 ID!  
11/19 MS 1316 KWGS 89.5 OK Tulsa, "...WGS nx time is 12:16..." & Tulsa nx item.  
11/20 tr 1056 WAPS 89.1 OH Akron, "EZL mx from 89.1 on your FM dial, WAPS Akron."  
1159 WRFT 91.5 IN Indianapolis, m, ID  
12/3 MS 0000 WQLN 91.3 PA Erie, s/off  
0009 WQXY 97.7 OH Oxford, Dixie Electric Co. ad; SID  
12/10 tr 0032 WYDD 104.7 PA Pittsburgh, ID after LP's, WIOT off this AM!  
0036 WAPL 105.7 WI Appleton, your album mx station, WAPL promos.  
MS 0106 KRES 104.7 MO Moberly, "...Kres Country Update..."  
0246 KIOV 104.7 SD Sioux Falls, N nx, called them, commercial was theirs!  
12/11 tr 0017 WHUG 101.7 NY Jamestown, local ad  
12/18 tr 1417 WORB 90.3 MI Farmington Hills, Temp. 24 degrees at WORB  
1428 WSTB 91.5 OH Streetsboro, "91.5-FM, WSTB Streetsboro, golden"  
1505 WFCB 94.3 OH Chillicothe, Wylie's Disco & Saloon, o/WDFI, call verie.  
1746 WORW 91.9 MI Port Huron, current WORW temp. is 19 degrees.  
12/19 MS 0400 WDEE 105.3 GA Macon, "...for Middle GA..."  
tr 1459 WLFM 91.1 WI Appleton, s/on  
12/20 tr 2322 WBFH 88.1 MI Bloomfield Hills, still 10w, on 0600-2300 weekdays.  
12/21 tr 1622 WHFM 98.9 NY Rochester, local ads, wx  
12/22 tr 0228 WFOB 96.7 OH Fostoria, still on, sounded like normal A/C programs.  
12/24 tr 0003 WQON 100.1 MI Grayling, ID, end of s/off.  
12/26 tr 1500 WMEW 88.9 TN Chattanooga, "It's 3:00 in Chattanooga," & ID.  
1513 WXBQ 96.9 TN Bristol, ad for Kingsport, TN.  
1634 WSGS 101.1 KY Hazard, local ad; Paul Harvey.  
1803 WDOD 96.5 TN Chattanooga, local nx items.  
1807 WOKI 100.3 TN Oak Ridge, girl DJ gave calls.  
1815 WIVK 107.7 TN Knoxville, "It's 6:15 on WIVK"  
2033 WHHC 104.9 IN Hartford City, local ads.  
2045 WHAJ 104.5 WV Bluefield, "You've dialed WHAJ, \$stereo-104."  
12/27 tr 1130 WIBI 91.1 IL Carlinville, got part of ID.  
1153 KUMR 88.5 MO Rolla, short gold report, ID.  
12/28 tr 0047 WYBR 104.9 IL Belvidere, Manly Motors in downtown Belvidere.  
0100 WLCL 107.1 IN Lowell, s/off  
0251 WCWT 91.9 OH Centerville, 423-8486, ID, s/off  
0930 WNBC 102.5 WI Madison, "W-N-W..."  
2003 WUOL 90.5 KY Louisville, ID  
2015 WDCG 88.3 IL Downers Grove, talk about Downers Grove, sports talk.  
2155 WPPR 102.7 IN Terre Haute, stereo ad  
2312 WQRP 88.1 OH West Carrollton, j/big band, fund raising for WCXL/WQRP.  
2333 WNXT 99.5 OH Portsmouth, Bank One of Portsmouth, WXT FM nx.  
12/29 tr 0014 WAKO 103.1 IL Lawrenceville, "WAKO, that's Hoyt Axton."  
0102 WVHI 105.3 IN Evansville, ID, Voice of Heavenly Inspiration  
0324 WBNB 99.3 KY Harrodsburg, Mercer Federal here in Harrodsburg  
0330 WQXE 100.1 KY Elizabethtown, "We're the mx stn., FM-100, WQXE Eliz."  
12/30 tr 0604 WARU 98.3 IN Peru, wx first for Peru & Miami Co.  
12/31 tr 0136 WDBR 103.7 IL Springfield, New Year's Eve promo on 3 WDBR  
0347 WRJL 94.1 WV Oak Hill, "Nx notch lets So. WV solve its problems."

\* Continued \*

NORTHERN FM DX

Frank Merrill cont'd:

FEBRUARY 1981

12/31 tr 0501 W257AB (Carrying 104.9 WCVO OH Gahanna)  
99.3 OH Marion, ID  
0605 WLDR 101.9 MI Traverse City, MI nx cast; ID at 0607.  
0611 WVPB 91.7 WV Beckley, WV nx // to 88.9, (WUCM off).  
1/13 tr 0009 WURD 97.7 OH Georgetown, k, dog found in Higginsport, etc.  
1/14 tr 0038 WKOA 100.3 KY Hopkinsville, Staple Singers song - called 'em!  
1/15 tr 1458 WSMC 90.7 TN Collegedale, Call us! 396-2320  
(1980) 1458 WSLN 91.1 OH Delaware, ID, 10 watts  
1459 WIVK 107.7 TN Knoxville, atop WDAO Dayton, OH most of PM.  
1500 WBIR 103.5 TN Knoxville, "WBIR-FM, Knoxville; We believe in Rock."  
1510 WSKZ 106.5 TN Chattanooga, United Bank; "KZ-105"  
1558 WBEK 97.5 TN Knoxville, ID, short local nx.  
1559 WKCS? 91.1 TN Knoxville, had p from due south.  
1643 WQUT 101.5 TN Johnson City, K Mart in Johnson City, thru WLQR: #3 on 101.5  
2244 WXCC 96.5 WV Williamson, "All the country hits in \$," SID  
2251 WVOW 101.9 WV Logan, regarding advertising call WVOW AM-FM.  
2301 WBKW 99.5 WV Beckley, mono, ID, "Where the sun is always shining," g  
2320 WDUB 90.9 OH Granville, j, 10w, nx wrap-up ends.  
1/16 tr 2353 WLSK 100.9 KY Lebanon-Springfield, "WLSK" and wx, noted later w/request #  
0331 WSLQ 99.1 VA Roanoke, "Q-99," Doobie Bros. promo, full ID at 0334, p  
0342 WJMM 106.3 KY Versailles, "J-106" and local announcer, g  
0507 WMOR 92.1 KY Morehead, End nx and wx; ID, k  
1/17 tr 0017 WRCI 93.5 MI Midland, wx, SID  
C104 W296AA (Carrying 102.3 WPOS OH Holland)  
107.1 OH Fremont, peaking from E-SE, g  
0106 W292AC (Carrying 102.3 WPOS OH Holland)  
106.3 MI Adrian, peaking from N-NW, g  
0505 WEIC 92.1 IL Charleston, started playing record before M nx logo ended;  
called them up - was them. Record was by Prince.  
1/18 tr 0553 KUNI 90.9 IA Cedar Falls, Hear caucus updates on KUNI this p.m.  
0659 WCWS 91.9 OH Wooster, s/on  
0700 WKCO? 91.9 OH Gambier, heard from SE, but covered by WCWS.  
0815 KRNG 102.5 IA Des Moines, r, "You're with D.M.'s mx FM, Q-102," ad.  
0823 KMOX 103.3 MO St. Louis, relog, noted o/WXTZ.  
1939 WSMI 106.1 IL Litchfield, Hear in its entirety Sun. 7 p.m. on WSMI.  
2/4 tr 0032 WDDD 107.3 IL Marion, Johnson City ad; SID  
3/3 tr 0009 CJXB 92.7 ON London, "Ontario Country, BX-93," SID  
5/1 tr 2112 WDOW 92.1 MI Dowagiac, ID, (had to point W-SW, o/WCSR MI Hillsdale).  
5/3 tr 0459 WERG 89.9 PA Erie, spacy ID, (Why were they AN?), j  
5/4 tr 0415 WESA 98.3 PA Charleroi, r, "WESA-FM 98-3...24 hours"  
5/11 tr 2301 WHYP 100.9 PA North East, s/off  
5/29 Es 2017 KYVA 93.3 MT Billings, ad for place, downtown Billings  
2053 KYYY 92.9 ND Bismarck, Washburn ad, relog, ex-KYVA.  
2118 KZIN 96.3 MT Shelby, mono, EZ pop, // on phone, 1450 mi., my farthest.  
tr 2137 WOSE 94.5 OH Port Clinton, ID, relog, ex-WRWR.  
Es 2343 KEPC 90.5 CO Colorado Springs, "Rolling Stones here on KEPC."  
5/30 Es 0007 KPLV 98.9 CO Pueblo, local ad, relog, ex-KVMN.  
0028 KCCY 97.9 CO Pueblo, relog, ex-KDJQ.  
6/2 tr 1742 WPCD 88.7 IL Champaign, k, ID'ed per phone.  
1901 WVMC 90.7 OH Mansfield, ID, 10w  
6/5 tr 0121 WZZC 101.3 IL Moline, "Here on WZZC," Quad Cities wx.  
0128 WTAZ 102.3 IL Morton, Grim TV Appliance in Morton, WFO3 off.  
0138 WKLC 102.3 IL Waukegan, end of "funny" mx, on WKLC WFO3 off.  
0140 WSAI 102.3 IN Logansport, relog, Dual AM/FM ID, World's greatest mx.  
6/27 tr 0303 WKMS 91.3 KY Murray, parallel to Strobel tuned to WKMS, over phone!  
6/28 tr 0050 WBJZ 100.9 NY Olean, k, wx, gave calls twice.  
0200 KJQA 99.3 MO Gordonville, "This is KJQA Gordonville," r  
0206 KRFG 93.5 MO Greenfield, r, end nx blimp; "Ozark Rose Garden," KRFG.  
0239 WDDJ 96.9 KY Paducah, Requests 442-2431; wx, "Rock-97," WDLJ.  
0351 WVKX 104.5 TN Gallatin, r, wx, "Ficks-104."  
0434 KSEN 93.7 AR Little Rock, k, ID, Central AR wx, SID.  
0456 WAAW 103.7 KY Murray, 4 mins. before 4 on WAAW.  
0508 WIKI 100.1 KY Carrollton, parallel to Strobel listening to WIKI on phone!  
2100 WLDL 89.3 IL East Moline, end spectrum; AN-FM ID.  
2230 KTRO 98.9 KS Leavenworth, "Your news voice, KTRO Leavenworth."  
6/29 tr 0006 WRBK 97.7 MI Manistee, ID after news.  
0342 CFYI 98.3 OH Kingston, mr, "18 min. before 4 at Y-98 in Kingston."

\* Continued \*

6/29 tr 0900 WKXX 100.9 IL Pana, "And at 8:00 you're tuned to WKXX Pana," k (Antenna was pointed East; not taped; caught me totally off guard!)  
 0930 WMB 104.5 IL Springfield, gave Springfield address.  
 0940 WAOR 95.3 MI Niles, ex-WNII, ID between songs.  
 0949 WWWW 105.5 IL Granite City-St. Louis MO, "Stereo-WK"  
 0955 KSLQ 98.1 MO St. Louis, only "KSLQ" between songs.  
 1001 WZEN 100.3 IL Alton, re: police in Wood River.  
 1004 WSIE 88.7 IL Edwardsville, "This is WSIE Edwardsville IL.  
 1027 KEZK 102.5 MO St. Louis, "One of a kind, that's EZ-102, KEZK," & ad.  
 1029 WSAL 102.3 IN Logansport, relog through WPOS!  
 1030 KSGM 103.7 MO Ste. Genevieve, mention St. Genevieve, wx, gave calls.  
 1042 WMRV 101.1 IL East St. Louis, News and Views on WMRV.  
 7/1 tr 0152 KHAH 98.1 IA Cedar Rapids, k, many ID's, "98-FM," community notes.  
 0223 KRNA 93.9 IA Iowa City, "93-KRNA with side one of our featured album."  
 0304 KLSE 91.7 MN Rushford, relog  
 0309 WDDC 100.1 WI Portage, "Stereo-100, WDDC in Portage."  
 0314 WBAM 98.9 AL Montgomery, "99-FM bumper stickers at AL location."  
 0443 KRCH 101.7 MN Rochester, end ABC nx; SID.  
 0505 WZRO 104.9 IL Pekin, "This is WKCL Peoria and WZRO Pekin."  
 0600 WWIB 103.7 WI Ladysmith, "This is WWIB, Ladysmith, it's 5:00," UPI nx.  
 0605 WGGL 91.1 MI Houghton, start MI nx; local wx, ID 0609.  
 0653 WDLB 106.5 WI Marshfield, local dairy supplies ad.  
 0732 WRHN 107.9 WI Rhinelander, "And that's a look at the nx from WRHN."  
 1400 WUEV 91.5 IN Evansville, ID  
 1452 WQEN 103.7 AL Gadsden, "Q-104," Moore's in Albertville and Gadsden.  
 2106 WFIO 102.7 WV Charleston, "This is WFIO, Charleston."  
 2122 WFGM 97.9 WV Fairmont, Beautiful mx, parallel on phone, 2130 ID.  
 2139 WCLG 100.1 WV Morgantown, "CLG" and gap between songs.  
 7/3 tr 0718 WJMJ 88.9 CT Hartford, TC, ID, wx, my best catch!  
 2131 CFNY 102.1 ON Brampton, ID during "rap" between sets.  
 7/4 tr 0423 WPFV 89.3 DC Washington, j, ID, wants contributions.  
 0440 WKYS 93.9 DC Washington, "93-K-Y-S" and ID.  
 7/6 tr 0121 CFMV 92.1 SA Regina, local address, Dick Clark, nx, wx.  
 2258 WMEV 93.9 VA Marion s/off, still 3500 watts.  
 7/7 tr 0033 WAGI 105.3 SC Gaffney, ID  
 0104 WUTC 88.1 TN Chattanooga, Parallel ID with WUOT 91.9.  
 0158 WUVT 90.7 VA Blacksburg, Gave #552-0644, chex w/Bell Telephone.  
 0201 WANS 107.3 SC Anderson, ID  
 0247 WYQC 102.9 TN Shelbyville, "YQC" and Tullahoma ad.  
 0300 WCGQ 107.3 GA Columbus, "The mx FM, WCGQ Columbus."  
 0403 WZGC 92.9 GA Atlanta, "Listen to Z-93 to win."  
 0412 WLTA 99.7 GA Atlanta, ID, time, temp., after Roger Whitaker.  
 0415 WRKA 103.1 KY St. Matthews, "The mx station, WRKA."  
 0418 WRAS 88.5 GA Atlanta, ID, PSA  
 0423 WKLS 96.1 GA Atlanta, Atlanta wx, "96-Rock."  
 0428 WVEE 103.3 GA Atlanta, Atlanta Lung Association.  
 0432 WREK 91.1 GA Atlanta, ID  
 0530 WOFM 94.9 TN Greenville, ID as Radio Greenville.  
 0542 WTNJ 105.9 WV Princeton, Midas/Southern WV ad.  
 0631 WMPR 88.1 SC Sumter, SC wx outlook, SC ed. net.  
 0800 WSCI 89.3 SC Charleston, SC network ID.  
 7/8 tr 2212 WIYQ 99.1 PA Ebensburg, k, Swap Shop address, SID.  
 7/9 tr 0630 WGTs 91.9 MD Takoma Park ID! and nx.  
 7/11 tr 0200 KXCV 90.5 MO Maryville, s/off.  
 0500 KSD 93.7 MO St. Louis, ID, now soft rock, ex-KCFM.  
 7/13 tr 2100 KCKC 88.3 IA Cedar Rapids, ID  
 2156 KSCF 97.1 MO Florissant, "You're tuned to KS-97," ethnic mx.  
 2304 WRCO 100.9 WI Richland Center, Richland Co. nite at Brewer Stadium.  
 2327 KOEL 92.3 IA Oelwein, Cedar Falls Datsun ad.  
 2342 KBKB 101.7 IA Fort Madison, Next KBKB sports tomorrow, SID.  
 7/14 tr 0034 WIAL 94.1 WI Eau Claire, Mondovi ad.  
 0047 WCAZ 92.1 IL Carthage  
 0132 KADI 96.3 MO St. Louis, "We always play the best mx, KADI."  
 0148 WKAU 104.9 WI Kaukauna, 72 degrees at "KAU."  
 0151 WCEW 104.9 IL Columbia, announcement by lady re: WCBW program.  
 0200 WRLO 105.3 WI Antigo, ID, nx.  
 0233 WRSQ 104.9 IL Geneseo, wx, ID & s/off.

\* Continued \*

7/14 tr 0245 KFMM 99.7 IA Muscatine, "99+," chat, local ad.  
 0255 WKQA 104.9 IL Pekin, relog, ID between songs, ex-WZRO.  
 0330 KGRS 107.3 IA Burlington SID, better ID at 0351.  
 0332 KLEE 97.7 IA Ottumwa, wx, temp. at KLEE, r  
 0400 KLFM 104.1 IA Ames, ID  
 0434 WGBO 92.7 IL Galesburg, W.I.U. Summer Theatre, wx, "Q-93."  
 0458 WWOT 105.7 IL Peoria, local ads, wx, "WOT," no legal ID!  
 0508 KMKG 93.3 IA Des Moines, rap between songs; calls twice.  
 0530 KFTW 107.9 IA Waterloo-Cedar Rapids, Waterloo-C.R.'s most beautiful mx.  
 0717 KMJY 97.7 IA Clinton, wx, Bright beautiful mx in S, from Joy, KMJY.  
 0749 KMMR 95.7 MO Mexico, local ads in MO farm show.  
 1018 WMLA 92.7 IL Le Roy, ID after Jerry Lee Lewis song.  
 1023 WAAG 94.9 IL Galesburg, Super-95 remote tonite at Galesburg Mall.  
 1026 WZLT 99.3 TN Lexington, "Our present Lexington condition is clear & 850."  
 1108 WKYW 104.9 KY Frankfort, South Central Bell ad, "K-105."  
 1149 WKIR 104.1 TN Jackson, Amateur hour promo, gave address.  
 1200 WYER 94.9 IL Mt. Carmel, ID between CBS GON convention & CBS nx.  
 2258 WONE 88.7 OH Batavia, Cincinnati Symphony promo, ID.  
 7/15 tr 0254 WKDF 103.3 TN Nashville, "103-KDF"  
 0301 WRFN 88.1 TN Nashville, s/off, 700 watts announced.  
 0349 WUIC 88.1 IL Chicago, 10 watts, PSA, weird music!  
 0430 WKWX 93.5 TN Savannah, PSA, ID, wx.  
 0507 WBYQ 92.1 TN Hendersonville, "92-Q," Q's Bros. Revue, Opryland Hotel.  
 0528 WMMG 93.5 KY Brandenburg, s/on  
 0545 WKFI 102.3 OH Wilmington, wx, KFI temp., local ad thru WPOS!  
 0606 WCHO 105.5 OH Washington Court House, "WCHO" barely o/WKEZ after wx.  
 0620 WMPO 92.1 OH Middleport, Wx on "WMPO Good Morning Show."  
 0721 WQIT 100.9 WV Grafton, "The Tygart Valley's Hit Maker, QT-101."  
 0734 WYPC 101.5 OH Gallipolis, Citizens Nat. Bank of Point Pleasant.  
 7/16 tr 0330 CHAY 93.1 ON Barrie, ID, Chay wx.  
 0422 CKQT 94.9 ON Oshawa, Cshawa ad, wx, CKAR - 1350 ID.  
 0427 CKUE 101.1 ON Smiths Falls, played tape of gab to them and he says yeah.  
 0443 WSEN 92.1 NY Baldwinsville, ID  
 0457 WEZG 100.9 NY North Syracuse, Syracuse wx, m, ID.  
 0459 WSKG 89.3 NY Binghamton, ID  
 0546 CJBC 96.5 ON Penetanguishene, CJBC-19 // to 99.3 London ON.  
 0702 WCMF 96.5 NY Rochester, ID after Bob Dylan, nx.  
 7/17 Es Was in Chicago all day; Didn't know about Es opening!  
 7/20 tr 0417 WRWC 103.1 IL Rockton, ID, wx, local announcement.  
 7/21 tr 0140 WNZQ 98.7 DC Washington, wx, k, WBFQ off.  
 7/29 tr 0156 KLUM 88.9 MO Jefferson City, ID, temp., black chatter.  
 7/31 tr 0225 WLYX 89.3 TN Memphis, local nx, "FM-89."  
 8/6 tr 0013 WIVQ 100.9 IL Peru, "Q-101," Q-Tip for Peru.  
 0101 WCLL 94.3 IL Chillicothe, s/off  
 0238 WBNQ 101.5 IL Bloomington, ID  
 0307 WHPK 88.3 IL Chicago, 10 watts, ID during "mushmouth" spiel.  
 0650 WSSD 88.1 IL Chicago, 10 watts, Disco benefit for WSOB, more local PSA.  
 0738 WLMK 95.9 MI Three Rivers, Three Rivers Savings and Loan.  
 8/11 tr 0438 WVOR 100.5 NY Rochester, "FM-100."  
 8/19 tr 0158 WROE 94.3 WI Keosauqua, ID  
 0302 WLST 95.1 MI Marinette-Menominee MI, ID  
 0303 WUUN 100.1 MI Marquette, "Stereo-100," WUUN Marquette.  
 0600 WKKM 92.1 MI Harrison, "The Country King, WKFM Harrison."  
 0613 WGHM 103.1 MI Gladwin, community pharmacy in downtown Gladwin.  
 0630 WTHM 103.1 MI Lapeer, relog, s/on  
 0636 WMMU 90.1 MI Marquette, "Public Radio 90," and 66 degrees in Marquette.  
 0706 WGOR 93.9 WI Sturgeon Bay, AM/FM ID  
 8/24 tr 0005 WACI 92.1 IL Freeport, end nx and wx.  
 0046 KLSS 105.1 IA Mason City, "It's 11:45 at KS-106."  
 0051 WLUV 96.7 IL Loves Park, Trade-io ad.  
 0113 KWIT 90.3 IA Sioux City, ID  
 0120 KKEZ 94.5 IA Fort Dodge, wx, SID.  
 0146 WTKM 104.9 WI Hartford, ID, polka show.  
 0206 KFSV 91.7 MN Worthington-Marshall, local ID.  
 0227 WGGC 99.3 WI Waupun, Dodge Co. PSA, r, "Q-1," over WEMP.  
 0238 WQQM 106.3 WI Middleton-Madison, "Q-104," and "Q-Tip" for Madison.  
 0246 WSUP 90.5 WI Flatterville, s/off  
 0302 KKRL 93.7 IA Carroll, Eddie Honey MP "on KKRL."

\* Continued \*

8/24 tr 0448 KZEV 103.1 IA Clear Lake, Gab; ID after song.  
 1959 WOCG 107.1 WI Oconto, girl w/wx, called to verify.  
 2023 WAUN 92.7 WI Kewaunee, Mass promo; WAUN Mackinac Island tour.  
 2224 KCCQ 107.1 IA Ames, "KCCQ" SID; Elton John song.  
 2228 KFJB 101.1 IA Marshalltown, "A musical feast from KFJB-FM."  
 2300 KDHI 97.3 IA Des Moines, wx, ID.  
 2308 KROC 106.9 MN Rochester, MN's largest \$ store in Rochester & Eau Claire.  
 8/25 tr 0104 KTAV 92.1 IA Knoxville, s/off  
 0147 KWKI 93.3 MO Kansas City, ID and into k.  
 0222 KCOU 88.1 MO Columbia, ID between songs.  
 0402 KEYN 103.7 KS Wichita, call 655-4237 now - Wichita.  
 0414 KYYS 102.1 MO Kansas City, Jerry Leonard's in Independence, etc.  
 0604 WRHQ 105.9 MI Charlevoix, local ad, "You and Charlevoix."  
 0615 WHWL 95.7 MI Marquette, "What's happening in the WHWL listening area."  
 0659 WSUE 101.3 MI Sault Ste. Marie, "Easy Country, right here on WSUE, SSM."  
 0706 WJPD 92.3 MI Ishpeming, Marquette Fence Co.; WJPD wx.  
 0740 WBNZ 99.3 MI Benzonia-Frankfort, Peaches and Herb on WBNZ.  
 2023 KPIL 103.3 IA Pella, ID, then start Royals BB.  
 2100 WXXQ 98.5 IL Freeport, "WXXQ Freeport, the FM mx station."  
 2114 KLYF 100.3 IA Des Moines, "\$tereo-100, Life, KLYF."  
 2158 KMG0 98.7 IA Centerville, ID after Back To The Bible.  
 8/26 tr 0258 WIUN 91.3 IL Macomb, s/off  
 8/27 tr 0947 WAER 88.3 NY Syracuse, Gave #: 423-4021.  
 10/2 tr 0559 unID 105.5 ?? End Jack Shannon, religion, not Monticello IL - HELP!!!  
 10/8 tr 2028 WHFH 88.5 IL Flossmoor, long ID.  
 11/16 Es 2006 K0UL 103.3 TX Sinton-Corpus Christi, ID  
 2008 KNCN 101.3 TX Sinton-Taft-Corpus Christi, r, "C-101," "Up in Houston"  
 2029 KEXX 93.9 TX Corpus Christi, "X-FM," Craig's Record Factory.  
 2031 XHAAA 93.1 Ta Reynosa, perfect ID! XHAAA is my first Mexican ever and called themselves "Estereo Recuerdo."  
 2040 XH?? 102.5 ?? Suspect a new unlisted Mexican here! Slogan "Estereo, Que Mas," which roughly translates to \$tereo.  
 2053 KIWW 96.1 TX Harlingen, local PSA, "KIWW" in Spanish  
 2105 KVMV 96.9 TX McAllen, wx followed by TX Baptist nx. Had to call to determine it was them. They knew of no Mexican on 102.5.  
 2107 KVLY 107.9 TX Edinburg, tentative  
 2107 KDUV 100.3 TX Brownsville, WUF off FM by 2115!  
 11/23 tr 0130 CPLY 98.3 ON Kingston, relog, ID, super weak.  
 12/8 tr 0229 WAXT 96.7 IN Alexandria, k, ID.  
 Amazing! Three of the best tropes this year happened on Mon. morns! 7/7, 7/14, & 8/25.

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John Ebeling - 9209 Vincent Ave. So. - Bloomington, MN 55431

A few DX items to report as a result of the Geminid meteor shower of December 12-14. Other than the MS items, it has been DEAD around here on the FM band. As is usual with my meteor DXing, I set up two tuners and run the tape recorder for a five minute span each ¼ hour, hoping to be lucky enough to catch an ID. The boring part is the tape playback, which takes a lot of time. I always record at 1-7/8 ips and then can run playback at 7-½ ips to save time. When something is heard, I then stop tape, back it up and play at normal slow speed. Anyway, the method works for me. Of course, times listed are approximate, within a five minute frame.

Time is CST and loggings at Bloomington location. New underlined; new mode dashed.

12/11 MS 0500 WVPN 88.5 WV Charleston, caught ID  
 12/13 MS 0200 KSCS 96.3 TX Fort Worth, "KSCS, FM-96..."  
 12/14 MS 0200 KGBI 89.3 TX Dallas, ID

Lots of other meteor activity, but nothing that came through with an ID. So far this winter, I am surprised at the complete lack of Aurora activity. Usually this is the peak time, but I believe I've only noted Au once so far this winter.

Nothing else to report from this area. If it holds to be a normal winter, you can expect no reports from me for a few months. Be assured, however, that I will report whenever there is something to send.

Regards, John Ebeling

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Equipment: Realistic STA-85, Winegard FM-4400 indoor antenna.

11/12 tr 1500 WIAA 88.3 MI Interlochen, c  
 1503 WDEY 103.1 MI Lapeer, r3, ex-WTHM  
 1511 WDPR 90.9 MI Detroit, seldom heard  
 1844 WTCM 103.5 MI Traverse City, k\$  
 2100 WWRM 106.7 MI Gaylord, m\$, no WWWW  
 2110 WPLB 107.3 MI Greenville, k\$  
 2135 WYSS 94.3 PA Saegertown, r  
 2302 WGOJ 105.5 OH Conneaut, \$5  
 11/12 tr 2330 CHIN 100.7 ON Toronto, g  
 11/13 tr 0120 WJTN 93.3 NY Jamestown, m\$, ex-WWSE?  
 0151 CTFP 101.5 ON Peterborough, m\$  
 0201 CRQT 94.9 ON Oshawa, r  
 0314 WHBC 94.1 OH Canton, m  
 0330 WHBT 90.1 IL Chicago, g  
 1208 CHAY 93.1 ON Barrie, m\$  
 73, Jeff

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Ken Onyschuk - 239 Fir - Park Forest, IL 60466 (312) 481-8879  
 Equipment: GE Superadio #7-2880B & Sear 25' Console w/NE-SW antenna.

Seasons greetings, gang. This year is about to end, so I'll try to summarize 1980. This may be different from other contributions I've seen, but this ought to do. On my Superadio, I've logged 109 FM stations. By state, IL-64, IN-20, MI-10, MO-2, IA-2, and OH-1. Farthest etc. IL 94.9 WYER Mt. Carmel carrying a H.S. BKB game one night last winter. Veried per call. IN 95.1 WPTH and 97.3 WMEF Ft. Wayne, though not on the same night. MI 107.7 WHSB Alpena heard along with several other "Michigananders" during daytime on vacation in June. WI 104.9 WTKM Hartford heard one Saturday night carrying a lively polka show. IA 105.3 KIWI Dubuque, but don't remember details. MO 88.5 KUMR Rolla, 7/13 with s/off at 0003. A real pleasant surprise! OH WTUE Dayton 104.7 often a semi-local with WCSJ Morris, IL s/off, 7/11 with spot for local k mx show. An interesting change from AM DXing if cx are favorable, I enjoyed FM DXing in '80. VUD was certainly a change from reading NRC bulletins for nine years. It really amazed me to see area stations being heard hundreds of miles away! I knew they did skip a bit, but I never thought it was of this magnitude! Anyway on the Boob Tube, I've logged 46 stations. IL-22, IN-8, MI-7, WI-5, OH, MN and ON-1. My only verie is Ch. 25 Cleveland, a real treat. Most distant by state: IL Ch. 20 Springfield, IN Ch. 21 Ft. Wayne, MI Ch. 4 Detroit, OH Ch. 25 Cleveland, WI Ch. 11 Green Bay, MN Ch. 10 Rochester, and OH Ch. 13 Kitchener. It's been fun in '80. Hope to see more next year. Thanx to Mike Hogan for his help in '80.

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Richard Reese - 421 Marion St. - Jersey Shore, PA 17740

11/16 Es	0943 WUOA 95.7 AL Tuscaloosa	808	11/30 MS	1519 WDAY 93.7 ND Fargo	1062
	0958 WYLD 98.5 LA New Orleans	1073	12/4 Es		
	0959 WNOE 101.1 LA New Orleans	1073	1605 CBHM 90.3 NF Marystow, CBC		
	0959 WRNO 99.5 LA New Orleans	1073	1606 CHOZ 93.9 NF St. Johns, r		
	1000 WWL 101.9 LA New Orleans	1073	1606 CIOZ 96.3 NF St. Fortune, r		
	1004 WSJC 107.5 MS Magee	975	1620 C?? 105.9 NF St. Johns, FF		
	1005 WRPM 107.9 MS Poplarville	1010	1620 CBE 106.9 NF St. Johns, c		
	1008 WRNO 89.9 LA New Orleans	1073	1625 CPOZ 100.3 NF Argentine, r		
	1012 WACT 105.5 AL Tuscaloosa	808	12/13 MS		
	1016 WAPI 94.5 AL Birmingham	761	0825 WQUE 93.3 LA New Orleans, town ID	1073	
	1017 WBYU 95.7 LA New Orleans, EL	1073	0839 KSKK 93.3 IA Des Moines, ID	865	
	1021 WCKW 92.3 IA Laplace	1085	0902 KGBI 100.7 NE Omaha, ID	987	
	1022 WLIN 95.5 MS Jackson	963	0942 WRQS 99.9 IL Boca Raton, "C-100" 1067		
	1025 WYNK 101.5 LA Baton Rouge, k	1090	2013 KMBQ 93.7 LA Shreveport, "Q-93" 1106		
	1026 WALT 97.1 MS Meridian	894	2041 CJBCT 95.5 ON Belleville, FF		
	1027 WEZB 97.1 LA New Orleans	1073	12/21 MS		
	1030 WTUL 91.5 LA New Orleans	1073	2200 unID 100.5 FF		
	1030 WQVE 93.3 LA New Orleans, r	1073	2200 CJS 100.9 PQ Chicoutimi, FF		
	11/30 MS		12/27 Es		
	1128 KOLD 104.7 MN St. Cloud	912	0908 KEFC 93.5 AR Forrest City, town ID		
	1346 WITZ 104.7 IN Jasper-Huntingburg	534	12/29 tr		
	= new		C800 Most Philly, Baltimore area was in		
	= new mode				

Some good Es and MS to make up for lack of troro. No DX at all during September and October. I hope January brings a couple of good skips as it did in 1980 on the 4th and 6th. I will be reporting to this column regularly and maybe also the eastern FM DX.

Seventy-Three and good dee-ex, Rich

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DEADLINE: 10th

SOME MILD TR MARKS DECEMBER BUT NO ES

Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008 - Oct. 1 to Dec. 31, 1980

Equip: JVC JT-V22 AM-FM tuner, Finco FM-5 antenna, C. M. rotor, assorted tape recorders, portables, and other stuff.

10/15 Es  
2015 ???? 92.9 Another rotten unID! This one played rm\$ and ads, which locate the station in NM, AZ, or CA.

10/18 tr  
0809 KJCS 103.3 TX Nacogdoches, along with KTYL, KUHF, KROK, etc.

10/19 tr  
1800 WBESE 95.9 MS Baldwyn, new station on air with "beautiful \$"

10/25 Es  
0900 ???? More unID's on 92.9, 93.1 and 93.3, antenna west

11/9 tr  
1930 KYND 92.5 TX Pasadena, e 536  
1935 KILT 100.3 TX Houston, r 540  
1939 KTSU 90.9 TX Houston, s  
1940 KRLY 93.7 TX Houston, r  
KLEF 94.5 TX Houston, m  
1943 KALO 95.1 TX Beaumont, r  
1950 KMJQ 102.1 TX Clear Lake City, s  
2159 KUHF 88.7 TX Houston, j

11/10 tr  
0713 WZGC 92.9 GA Atlanta, r 300  
0715 WFDR 93.3 GA Manchester, s 310

The Es of 11/16 was fun, but not very strong. I apparently same in toward its end, as MUF dropped quickly from 95.7 to below TV-2. The rest of this season of the year is pretty much normal--little FM DX. Good luck with cold days DXing. 73.

George Rogers, 320 Lafayette Rd., Chickamauga, GA 30707

Equip: JC Penney model 680-1908 AM-FM Radio

11/26 On road from Chickamauga, GA to Radcliff, KY, gw & tr  
0900 WUTS 91.5 TN Sewanee, nx  
0915 WAED 90.9 AL Huntsville, c  
0930 WMGL 98.3 TN Pulaski, nx  
0935 WKOM 101.7 TN Columbia, k  
0950 WUSW 107.3 TN Lebanon, k, ex-WOOR  
1005 WPTN 94.3 TN Cookeville, nx  
1015 WRKM 102.3 TN Carthage, kg  
1118 WBTI 92.5 KY Owensboro, k  
1045 WVRV 104.9 TN Waverly, ad  
1110 WDBL 94.3 TN Springfield, r  
1145 WOVO 105.5 KY Glasgow, r  
1210 WIKY 104.1 IN Evansville, ad  
1230 WMTL 104.9 KY Leitchfield, nx  
0905 WIKU 91.3 TN Pikeville nx  
0930 WEZK 97.5 TN Knoxville, ad  
0930 WJLE 101.7 TN Smithville, k  
0940 WJJM 94.3 TN Lewisburg, ad  
0948 WRSA 96.9 AL Decatur, ad  
1010 WSMT 105.5 TN Sparta, r

11/10 tr  
0715 WPCB 94.9 GA Atlanta, e 300  
WBIE 101.5 GA Marietta, k 295  
0725 WVOG 102.9 GA Columbus 321

11/16 Es  
0910 WIFT 92.5 PA Philadelphia, r "Y-FI-92"  
0912 WUHY 90.9 PA Philadelphia, c 798  
0913 WPAT 93.1 NJ Paterson, e 887  
0915 WPOC 93.1 MD Baltimore, k 710  
0916 WMMR 93.3 PA Philadelphia, pr  
0924 WYSP 94.1 PA Philadelphia, p  
0925 WFLN 95.7 PA Philadelphia, c  
0929 WCGY 93.7 MA Lawrence, r 1058  
1902 KQIX 93.1 CO Grand Junction, r 1088  
1910 KSPZ 92.9 CO Colorado Springs, r 900

12/8 tr  
0747 WQUT 101.5 TN Johnson City, m 375  
12/11 tr  
1752 WXXR 106.3 MS Lexington, k 163  
1800 WVTH 89.5 MS Goodman, r, new station testing transmitter 170  
1900 KTDY 99.9 LA Lafayette, also 392  
Acadiana and Delta area FM

12/14 tr 321  
0845 most Mobile and Pensacola, Gulf Coast  
0848 WXBW 102.7 FL Milton, g  
0850 WRES 105.7 AL Troy  
0853 WLHQ 106.7 AL Enterprise, r 348

11/26  
1115 WXID 94.7 KY Mayfield, r  
1125 WGGY 105.5 KY Greenville, r  
1133 WKTK 93.3 KY Paducah, k  
1140 WKYU 88.9 KY Bowling Green  
1200 WFML 106.5 IN Washington, ad  
1220 WKTG 93.9 KY Madisonville, r  
1245 WSLM 98.9 IN Salem, farm nx

11/26 tr (from Radcliff, KY)  
1400 WNAF 93.1 IN Indianapolis, r 133  
1410 WNDH 102.5 IN New Castle, ad 155  
1420 WUME 95.3 IN Paoli, m 65  
1430 WKCI 100.3 TN Oak Ridge, r 199  
1433 WHIO 99.1 OH Dayton, m 172  
1445 WYER 94.9 IL Mt. Carmel, p 140  
1450 WSKS 96.5 OH Hamilton, pr 148  
1455 WTRF 107.3 IN Greensburg, ad 95  
1515 WSAI 94.1 OH Cincinnati, pr 126  
1552 WSIX 97.9 TN Nashville, k 126  
1553 WBBN 102.7 OH Cincinnati, pr, CONT. 126

11/26 tr  
1555 WKDF 103.3 TN Nashville, rp 126  
1940 WACV 98.5 IL Paris, k 195

12/1 tr (back in Chickamauga)  
0935 WTYX 94.7 MS Jackson, rp 383  
0940 WLIN 95.5 MS Jackson, m 383  
0947 WSJC 107.5 MS Magee 350  
0950 WZZQ 102.9 MS Jackson, r 383  
0955 WJDQ 101.3 MS Meridian, "Q-101" 290

12/6 tr  
0940 WMC 99.7 TN Memphis, r 330  
0952 WGGC 95.1 KY Glasgow, k 189  
0953 WSM 95.5 TN Nashville, r, SM-95 145

12/6 tr  
1000 WQUT 101.5 TN Johnson City 236  
1010 WHHY 101.9 AL Montgomery, r 218  
1020 WBAM 98.9 AL Montgomery, r 218

12/7 tr  
1010 KNOE 101.9 LA Monroe, r 467  
1015 WZYP 104.3 AL Athens, r 126

12/12 ms  
2140 WNNB 98.7 IL Springfield, ID 440

12/22 tr  
0810 WCRH 97.7 AL Oneonta, ad 110  
0816 WTWX 95.9 AL Guntersville, k 105

Total log going into the new year: 1353, 152 on 88-92; 706 Es, 4 ms; 41 states, 4 Canadian prov.; 6 Mexican states, 2 Foreign; 53 total PUs. (In case it doesn't, your total should only include those logged from one main location or within 50 miles of it, according to guidelines in Jan. '78 VUD. DB)

I hope you have a happy new year. If you wish to contact me my phone no. is 404/375-3525. Remember, we're gonna have DX fun in 1981, thank you.

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - Dec. 8 to Jan. 7 CST

12/14 ms (Geminids)  
0053 KRST 92.3 NM Albuquerque  
12/18 tr  
0932 XHRR 102.5 TAM Reynosa, heard w/\$

and SS m format; this one should be a regular when springtime tr returns.

1001 KAJN 102.9 LA Crowley, g

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 21115 - Aug. 1980

FM Dxing from our cottage at Fair Haven Cliffs, MD, overlooking Herring and Chesapeake Bays, 15 miles below Annapolis, MD. Stations logged and reported since my July report. Spent two weeks vacation at the cottage in August and this gave me a chance to get in some FM tuning. (underlined have already QSLd)

8/3 tr  
2335 W265AC 100.9 MD Salisbury 65 (verie thru WRBS. Heard once but came thru nicely. "--with 4 one watt outputs, output is fed to a yagi and the yagis are aimed SE, S, SW & E." Is this one watt or 4 watts? Anyway, it's a nice verie to have! (probably ONE watt)

8/5 tr  
0500 WLSA 105.5 VA Louisa 100 (brand new station, seems to be regular but not strong)

8/7 tr  
0721 WWOV 105.5 VA Berryville 85 (new stn. Takes good opening cause if you aim antenna NW, WKTK 105.7 splashes over. WWOV QPMD and under WZTA most of time)  
0824 WZTA 105.5 PA Tamaqua 145 (Dominating channel and over WWOV most of time. First reception from this one and surprise as antenna WNW.)

8/8 tr  
1057 WKJY 98.3 NY Hempstead, x-WIOK 210 (Atop WSUX and WMCQ most of time, "K-JCY", m)  
8/9 tr  
0936 WMGQ 98.3 NJ New Brunswick 160 (Battle w/WSUX & WKJY which was weak this day.)  
8/13 tr  
0939 WDUQ 90.5 PA Pittsburgh 215 (In clear after WCHR s/off, fairly good)  
0816 WIYQ 99.1 PA Ebensburg/Johnstown 170 (first time heard, Allegheny Mtn Net.- k giant)

8/14 tr  
0026 WQPO 100.7 VA Harrisonburg 130 (rock, x-WSVA, "Q card station.")  
8/15 tr  
0812 WQVE 93.5 PA Mechanicsburg 105 (frontal system moving in and good signal)  
8/16 tr, gw  
0822 WRKZ 106.7 PA Elizabethtown 90 (x-WPDC, now k, "Z-107")  
0459 WBESE 104.3 MD Baltimore 40 (now dr, x-WITH, E-104, sometimes'super E-104')

Report your FM DX to this column if you're from: AL, AR, AZ, CA, CC, DE, FL, GA, KS, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Happy Dxing!

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February 1981

DXer, Location	FM SCOREBOARD		Es	MS	Au	USA	CN	MX	PO	TPU	YB	As of:	
	Rank	Total 88-92											
Andy Bolin, Charleston, IL	1	2003	318	774	95	282	45+	7	5	3	61	70	8/31/80
Pat Dyer, San Antonio, TX	2	1421	181	1156	23	0	41+	3	6	3	54	70	11/15/80
John Ebeling, Bloomington MN	3	1303	188	720	28	77	47+	4	4	0	56	52	8/21/80
Mike Dalton, Clearwater FL	4	1188	248	689	7	0	41+	2	12	12	68	72	10/1/80
Danny Burtin, Stillwater OK	5	1169	140	670	1	0	47+	5	8	0	61	74	12/2/80
Fred Nordquist, Clay NY	6	1121	162	512	27	42	39+	5	0	2	47	69	1/18/80
Peter Sawatsky, Gualph ON	7	1062	153	484	112	5	38+	7	0	1	47	71	1/14/80
Mike Bugaj, Enfield CT	8	1031	125	520	7	16	37+	3	0	1	42	74	8/14/80
Fred McCormack, Des Lacs ND	9	1028	131	775	25	77	44+	6	3	0	54	65	8/3/80
Ralph Strobel, Muncie IN	10	952	242	93	16	0	31+	3	0	0	35	72	12/1/80
Joseph Fala, S.Plainfield NJ	11	917	178	431	2	9	37+	5	0	3	46	68	8/10/80
Roger Winsor, Hobart IN	12	807	160	211	0	0	32	1	0	3	36	60	3/30/80
Hank Holbrook, Chevy Chase MD	13	750*	174	202	12	0	35+	5	0	3	44	59	12/5/80
Tim McVey, Bolivar TN	14	705	89	155	2	0	39	4	2	0	46	77	8/1/80
Dave Brumfield, Muncie, IN	15	619	132	32	1	0	28	1	0	0	29	78	12/1/80
Vernon Eaton, Benton AR	16	617	104	112	1	5	33	5	7	0	45	77	7/26/80
Richard Steinberger, Hudson MA	17	546	108	234	10	6	33+	2	0	0	36	58	11/15/80
Joseph Smith, Johnson City NY	18	524	69	98	0	0	30+	2	0	1	34	71	8/22/80
Fred McCormack, Fargo ND	19	504	57	301	2	39	42+	3	0	0	46	74	8/3/80
Pat Durkin, West Allis WI	20	350	69	21	0	0	23+	1	0	0	25	78	11/30/80
John Ebeling, Prossit MN	21	346	45	107	2	0	36+	4	0	0	41	75	8/21/80
Paul Traska, Buffalo NY	22	293	113	86	2	0	31+	3	0	1	36	76	10/29/80
Ken Simon, Lake Worth FL	23	274	97	201	0	0	28+	2	1	4	36	66	7/26/80
Alan Michalek, Springfield MA	24	230	29	90	0	0	28	4	0	0	32	52	11/15/80
John Bolduc, Nashua NH	25	185	42	16	0	0	19	0	0	0	19	74	7/1/80
Bob Schweitzer, E.Brunswick NJ	26	170	57	7	0	0	9+	0	0	0	10	77	8/20/80
Paul Mount, Teaneck NJ	27	150	23	17	0	0	18	2	0	0	20	77	9/14/80
Dave Hascall, Fortville IN	28	147	24	11	1	0	13	1	0	0	14	76	6/29/80
Frank Wheeler, Erie PA	29	144	16	3	0	0	7	1	0	0	8	64	7/21/80
Paul Mount, Nelsonville OH	30	129	7	3	0	0	8	1	0	0	9	78	5/19/80
John Adler, Milbank SD	31	123	10	15	1	0	17+	0	0	0	18	78	7/30/80
Wm Hepburn, Niagara Falls ON	32	112	35	21	0	0	17+	1	0	0	19	79	8/6/80

\*-Verified.

Those who did not update their totals in 1980 were dropped from the standings. FM Scoreboard definitions are in the Oct 1980 VUD. Please send in your updates by May 5th.

### NEW FM DISTANCE RECORDS

MHz	Prop	Call	Location	Miles	DXer, Location	Old Record
89.5	Es	WITF	NY Hershey	1445	Pat Dyer, San Antonio TX	Jefferson 1425
95.1	Es	KRDO	CO Colorado Springs	1555	Neil Dickerson, Sharpstown MD	Vogt 1470
96.1	Es	KPKZ	CO Greeley	1540	Neil Dickerson, Sharpstown MD	Nordquist 1465
100.9	Es	KJCO	CO Yuma	1430	Neil Dickerson, Sharpstown MD	Hauser 1420
107.7	Es	WGNA	NY Albany	1650	Pat Dyer, San Antonio TX	Dyer 1450
107.9	Es	CBJE	PQ Chicoutimi	1415	Fred McCormack, Des Lacs ND	Correction

The above new FM Distance records are updates to the listings in the Sept 1980 VUD. Please carefully review your records against those listings and send in any new records, making sure that the propagation mode that you received the stations are accurate.

STATES STATS will be expanded to include the total number of stations received from each Mexican state, as well as the total number of stations received from each foreign country. The deadline for submitting your entries is March 5th. Remember, the entries must represent the total number of stations logged from each US state/Canadian province/Mexican state/foreign country -- from a single specified DXer's location. The 1st & 2nd place DXers will be listed, similar to the format in the Oct. 1980 VUD, page 44. 73 - Fred

The data herein has been gathered from Mexican media lists and personal monitoring during an extensive motor trip into México in December 1980. § Almost all stations announce callsigns with the "-FM" suffix, even if not shown on the list. § The word "Stereo" is normally pronounced "estéreo". § Callsigns forming pronounceable combinations are usually so pronounced over the air. § Other comments and notes follow the list.

Freq.	Callsign	City & STATE	ERP	Identification	Note
88.5	XHCM	Cuernavaca, MOR	1	Radio Sensación	
88.8	XESS-FM	Ensenada, BC		Radio Fiesta	E
88.9	XHM-FM	México, DF	40	Sonido 89	
89.3	XHNP	Puebla, PUE	18.5	Radio Lobo	
89.5	XHME	Puerto Vallarta, JAL	10	Stereo Sol	
89.7	XEOY-FM	México, DF	120	Estereomil	C
89.9	XHRA	Guadalajara, JAL	30	Stereo Soul	
90.1	XHRS	Puebla, PUE	18.5	Tu Conexión	
90.3	XHIS	Tijuana, BC	100	Estéreo 90	
90.5	XEDA-FM	México, DF	50	Radio Imagen	
90.7	XHOY	Guadalajara, JAL	4	Efemenina	
91.1	XETRA-FM	Tijuana, BC	100		
91.3	XEQK-FM	México, DF	30	Hora del Observatorio	A
	XHNOE	Nuevo Laredo, TAMP	0.9	Stereo 91	
	XHPT	Córdoba, VER	8	Fórmula Musical	X
91.5	XHJC	Mexicali, BC	20	Fórmula Melódica	
	XHGEO	Guadalajara, JAL	40	Estéreo Mundo 91	
	XHKW	Morelia, MICH	1	Stereo Quadraphonic	
91.7	XHXL	Monterrey, NL	4	Stereo Hollywood	
	XHRC	Puebla, PUE	25		F
91.9	XHEC	Sabinas, COAH	4		
	XHRLM	Cd. Mante, TAMP	1	Stereo Joya	
92.1	XHFO	México, DF	20	Radio Triunfadora	
92.3	XHMMF	Mexicali, BC	3.5		R
	XHOI	León, GTO	20	Fórmula Melódica	
	XHBIC	Guadalajara, JAL	40	Estéreo Vida	
92.5	XHRM	Tijuana, BC	50	Radio Moderna	
	XHRJ	Toluca, MEX	10	El y Ella	
	XHSRO	Monterrey, NL	60	Stereorey	
	XHZM	Puebla, PUE	15	Stereorey	
92.9	XEQ-FM	México, DF		La Q Mexicana	A
93.1	XHPI	Guadalajara, JAL			
	XHAAA	Reynosa, TAMP	100	Stereo Recuerdo	P
93.3	XEH-FM	Monterrey, NL	3	Radio Tropical	E
	XHRH	Puebla, PUE	6	Fórmula Melódica	
	XHPS	Veracruz, VER	10	FM Globo Stereo	
93.5	XHNY	Irapuato, GTO	10	FM de Irapuato	17



93.7	XEJP-FM XHFA	México, DF Acapulco, GRO	100 1	Radio Joya R. Concierto Acapulco C	98.1	XHNG XHRL	Cuernavaca, MOR Monterrey, NL	5 20	Stereo Nova Stereo Recuerdo
93.9	XHSE XHMO	Guadalajara, JAL Morelia, MICH	30 4	FM Globo Stereo Radio Amistad	98.3	XHPX XHLG	Cd. Juárez, CHIH León, GTO	40 20	Stereorey Romántica
94.1	XHSW XET-FM XHJE	Cuernavaca, MOR Monterrey, NL Puebla, PUE	5 5 1	Tesorc Musical La Chica Musical	98.5	XHCQ XELA-FM XHNR XHQB XHMT	Tuxtla Gutiérrez, CHIS México, DF Oaxaca, OAX San Luis Potosí, SLP Mérida, YUC	1 50 5 1 200	Buena Música C Stereo 2001 La QK Estéreo Joya
94.3	XHRP XHJTA	Saltillo, COAH Irapuato, GTO	3 15	Súper Stereo Sonido 94	98.7	XHLC	Guadalajara, JAL	130	Stereo 99
94.5	XHTY XHTA XH.. XHNU	Tijuana, BC Piedras Negras, COAH México, DF Acapulco, GRO	100 1 1	Radio Tambora Máquina de la Música P Radio Mundo	98.9	XHQF XHNX XHJD	Tijuana, BC Toluca, MEX Monterrey, NL	4 1 50	FM Globo Stereo Radio Miled Sterec 99
94.7	XH..	Guadalajara, JAL		Estéreo Recuerdo	99.1				
94.9	XHNL XHORO	Monterrey, NL Puebla, PUE	7 4	Superstereo Radio Oro	99.3	XHPOP XHNQ XHTL XHNK XHRW	México, DF Acapulco, GRO San Luis Potosí, SLP Nuevo Laredo, TAMP Tampico, TAMP	120 12 1 1 1	Música Feliz FM Globo Stereo Estéreo Internacional Sterecritmo
95.1	XHNH	Irapuato, GTO	17.5	Estéreo 95	99.5	XHMS XHLS XHMAT	Monclova, COAH Guadalajara, JAL Mazatlán, SIN	1 30 20	Frecuencia Musical Stereo Juventud Stereo 99
95.3	XHSH XHNB XHOX	México, DF San Luis Potosí, SLP Tampico, TAMP	10 10	Radio Amistad Radio Amistad FM Globo Stereo	99.7	XHB-FM XHPL XHSP XHPB	Tijuana, BC Cd. Acuña, COAH Monterrey, NL Veracruz, VER	1 1.25 4 8	Radio Moderna Radio Monterrey Estéreo Mar
95.5	XHMP XHRO XHOE	Torreón, COAH Guadalajara, JAL Querétaro, QRO	12 120 10	Stereo 95 Stereorey Estéreo Mundo	99.9	XHSG XHSD XHTF	Piedras Negras, Coah León, GTO Tehuacán, PUE	10 20 5	Stereo Sensación P Stereorey Radio Luz
95.7	XHQ5 XHCT XHRK	Tijuana, BC Cuernavaca, MOR Monterrey, NL	5 2 5	Sonido 96 Felicidad 96 Stereo Rock	100.1	XHMM XHSE XHPM XHCNA XHJT XHNE	México, DF Acapulco, GRO San Luis Potosí, SLP Culiacán, SIN Tampico, TAMP Coatzacoalcos, VER	60 20 20 15 20 1.75	Stereo Cien Stereorey Stereorey Stereorey
95.9					100.3	XHAV XHSD	Guadalajara, JAL Hermosillo, SON	30 20	Superstereo Su Deleite
96.1	XEUN-FM XHOB	México, DF San Luis Potosí, SLP	4	Radio UNAM C Radio Sensación	100.5	XHMG	Monterrey, NL	5	MG-FM-100
96.3	XEJB-FM	Guadalajara, JAL		R'difs. Culturales A	100.7	XHH-FM	Cd. Juárez, CHIH	50	Mariachi Sterec
96.5	XHLM XEBJB-FM XHOP XHRN	Cuernavaca, MOR Monterrey, NL Villahermosa, TAB Veracruz, VER	2 4 4 20	Estéreo Mundo La Doña E Música Feliz La Tropical	100.9	XHSON	México, DF	60	Sonomil
96.7	XHMD XHPZ	León, GTO Cd. Guzmán, JAL	5 8	FM Globo Stereo FM en Estéreo	101.1	XHMA	Guadalajara, JAL	60	Stereo Cien
96.9	XHTG XEW-FM XHNS XHOD XHTZ	Tuxtla Gutiérrez, CHIS México, DF Acapulco, GRO San Luis Potosí, SLP Jalapa, VER	5 40 1 4 5	Expresión de la Capital "W"-FM FM Globo Stereo Discothèque 96	101.3	XHZA XHIL XHPR	Toluca, MEX Monterrey, NL Veracruz, VER	4 50 160	FM Globc Stereo La Romántica
97.1	XHPE XEBA-FM	Torreón, COAH Guadalajara, JAL	4 60	Radio Sterec Laguna Stereo Internacional	101.5	XHMLS	Matamoros, TAMP	5	La Chica Musical
97.3	XHVZ XHRS	Cuernavaca, MOR Monterrey, NL	30	Stereorey FM Globo Stereo	101.7	XEX-FM XHTD	México, DF Coatzacoalcos, VER	40 20	
97.5	XHPQ XHV8	León, GTO Villahermosa, TAB	15 5	Stereo Nova	101.9	XHPF XEAD-FM	Mexicali, BC Guadalajara, JAL	20 50	FM Globo Stereo La Buena Onda
97.7	XERC-FM XHNF XEWE-FM XHGL	México, DF Tepic, NAY Matamoros, TAMP Mérida, YUC	100 4 1 20	Radio Hits Música Feliz 97 W-FM Stereo	102.1	XHQI XHVE	Monterrey, NL Veracruz, VER	20 20	QI-FM Stereorey
97.9	XHMX XFMA-FM	Tapachula, CHIS Guadalajara, JAL	10 60	Fórmula Melódica	102.3				
					102.5	XHV-FM XHRR	México, DF Reynosa, TAMP	100 50	Stereorey Stereo Gema

102.7	XEFL-FM	Guadalajara, JAL	200	Sonido 103
102.9	XHTS	Veracruz, VER	30	Stereo Oro
103.1				
103.3	XHVG XERP-FM	Mexicali, BC México, DF	20	Stereorey Radio Juventud
103.5	XHEM XHRZ	Cd. Juárez, CHIH Nogales, SON	6 1	Variedades Stereo Estéreo Mundo 103
103.7				
103.9				
104.1	XEDF-FM	México, DF		Lo Mejor del Jazz
104.3	XHTO XHUG	Cd. Juárez, CHIH Guadalajara, JAL	20	Radiorama Stereo R R. Univ. de Guad.
104.5	XHERS XHCU XEHU-FM	Tijuana, BC Cuautla, MOR M. de la Torre, VER	60 3 1	Fórmula Melódica
104.7				
104.9	XHBST	México, DF	80	FM Globo Stereo
105.1	XHIM XHNI	Cd. Juárez, CHIH Nogales, SON	1 5	Stereo Ritmo
105.3				
105.5	XHRE	Piedras Negras, COAH	4	Radio Ensueño
105.7	XHOF	México, DF	10	Radio "de"
105.9	XHTB	Cuernavaca, MOR	1	Radio Primavera
106.1	XHSU	Chihuahua, CHIH	1	
106.3				
106.5	XHDFM	México, DF	120	Fórmula Melódica
106.7	XHVOZ	Guadalajara, JAL	50	Estéreo Voz
106.9	XHPJ	Monterrey, NL	50	Stereo Clasic C
107.1				
107.3	XHPG XEQR-FM	Tijuana, BC México, DF	15 100	Superstereo Radio Universal
107.5	XHOM	Coatzacoalcos, VER	8	
107.7	XHMN	Monterrey, NL	20	Stereo Sie7e
107.9	XHAGC	Aguascalientes, AGSC	20	Sonic Imagen

### KEY ---

A - duplicates AM  
C - classical music  
E - primarily an STL for AM  
F - not yet in operation  
R - sacred music  
X - not on air during visit

This list has been designed with sufficient space for quarterly updates and additions, thus the "holes". § Reproduction of this list, in whole or in part, without full credit to the compiler and this publication is strictly forbidden.

# QSL CORNER

Thomas J. Yingling, jr  
221 Pinewood Road  
Baltimore, MD 21222

### QSL's

OK OKCH	2	Regina, Hwy 1, Box 2000, S4P 3E5. Received QSL Card with verification signed by W. Stevenson, no title, in 17 days. Wolf
FL WDBO	6	Orlando, 750 N. Texas Ave., 32804. Letter signed by Everett H. Hughes, Program Manager, same used, reply in 9 days. Wolf
IL WGN	9	Chicago, 2501 Bradley Place, 60618. Letter from Robert I. Knudson, Manager of Tech. Operations. Reid
WMAO	9	Chicago, Merchandise Mart, 60654. Received QSL-Card sign by Gene Cartwright in 3 weeks. Ross
ID KID	3	Idaho Falls, 1255 E. 17th St., P.O. Box 83401, 83401. Letter from Carroll Secrist, CE in 9 days. Langridge
IN WMT	40	Indianapolis, Box 50250, 46250. Letter from Dougue Garlinger, CE, with reply in 3 weeks. Ross
LA WNL	4	New Orleans, 1024 N. Rampart St, 70176. Letter from Hugh R. Burney, Dir. of Tech. Services, with reply in 45 days. Fahber
MA WWLP	22	Springfield, P. O. Box 2210, 01101. Letter from Ronald E. Langevin, Dir. of Public Relations. Includes note that somebody from S. Weymouth, Mass. dx'ed then at 11:27pm on Sept. 4. Also send WWLP Post Card, & copies of station log underlining programming which I included in my report. Reply in 15 days. Fahber.
WSBK	38	Boston, 83 Birmingham Parkway, 02135. Letter from John S. Viall, CE in 6 days. Fahber
MN WCCO	4	Minneapolis, 50 S. 9th St, 55402. Letter from Henry F. Sheppard, CE with reply in 13 days. Reid & Wolf
MS WMAB	2	Ackerman, Rte 2, Box 136B, 39735. Letter from David E. Gorkran, Supervisor with full data in 10 days, & another letter in 18 days from David J. Wilson, Dir. of Eng. & CM for network, P. O. Drawer 1101, Jackson, MS 39205. Second address was hq's. Chernos & Reid
MO KMOX	4	St. Louis, 1 Memorial Dr., 63102. Letter from Walter Wesley, CE in 16 days. Reid
KYFC	50	Kansas City, 4715 Rainbow Blvd, Shawnee Mission, KS 66205. Send letter from Joe ? (unreadable last name), CE for Kansas City Youth for Christ send back my prepared letter form. Eddie.
KMOS	6	Sedalia (Warrensburg), 64093. Letter from Bob Gerig, PE send card & a promise of more station info under separate cover. Chernos
NY WBAE	58	Elmira, WSKG-TV-46, 3311 E. Main St, P. O. Box 97, 13760. Letter from Arthur F. Dees, Pres. & GM for tentative reception report. "I am delighted to hear that the signal was identifiable as far way as Canada." with reply in 24 days. Reid.
PA WTAF	29	Philadelphia, 4th & Market Sts. 19106. Send qsl card & program schedule from Richard Owens, CE with reply in 1 weeks. Michalek
WLVY	39	Allentown, Mountain Dr, Bethlehem, PA 18015. Send letter from Jerry Richards, Dir. of Eng. in 1 weeks. Michalek
WVBC	48	Philadelphia, 3201 S. 26th St, 19145. Send letter from Glenn Romsos, Eng. Mgr in 1 week. Michalek
WGCB	49	Red Lion, Box 88, 17356. Send letter from Fred Wise, PE, with a reply back in 2 months (!?) Michalek
RI WSBF	36	Providence, 24 Mason St, 02903. QSL info letter, with no signer with reply in 1 1/2 weeks. Michalek
VT WETK	33	Burlington, via VT Educational TV, Ethan Allen Ave, Winooski, VT 05404 Letter from Wally Edwards, Asst Mgr in 1 week. Michalek
VA WJEX	8	Petersburg, 230 S. Crater Rd, 23803. Letter from Gene Walsh, Program Director in about 2 weeks. Fahber

Reporters this are: Jeff Wolf of Silver Spring, MD; Mike Reid of Willowdale, Ont; Bob Langridge of Durant, IA; Robert S. Ross of London, Ont; Bill Fahber of Bridgeton, NJ; Saul Chernos of Toronto, Ont; Alan L. Michalek of Springfield, MA; Richard T. Eddie of St. Louis, MO. Just a short word to my reporters. In case you don't see what you reported in, does not mean that I lost your report or so forth, etc. I try to rotate ever other month with FM or TV, and try to get in a wide membership reported items, and when I have one station reported by 2 reporters I will put both names to the item to give them credit. 73's for now & keep on reporting in those QSL's. Tom

# EASTERN TV-DX

William J. Draeb  
Ellis St. R.R.#2  
Kewaunee, WI.  
54216

Eastern TV-DX

I just received a bunch of reports from Robert Kramer. Here they are-----

Steve West; 432 Kemmore Rd., Havertown, Pa. 19083 (EST)

February 1981

Deadline: 5th

I'm your new Eastern TV-DX column editor. For those of you who remember, I used to edit the Central TV-DX column a few years back until it was merged with the Eastern TV-DX column. About the only rule I ask you to adhere to is to get your reports in here before the deadline. The only report I have on hand right now is my own, so here goes.

William J. Draeb Ellis St. R.R.#2, Kewaunee, WI. 54216 (CST)

Dec. 1 Tr 1950	KDNL-30 432 mi.	Dec. 16 Es	Chs. 2, 3 & 4 to NB. French on ch. 3.
1954	KMTC-27 588	17 Tr	2200 KDNL-30 432 mi.
2 Tr 1940	" "	18 Tr	1922 " " "
	KDNL-30 432	22 Tr	1833 " " "
3 Tr 1900	" "	26 Tr	1858 " " "
2150	WKYT-27 473		2100 WKYT-27 473
	WTVQ-36 "	27 Tr	1825 KOZK-21 588
	WKLE-46 "		KMTC-27 "
	WCET-48 400		KCBJ-17 450
	WKSO-29 538	28 Tr	0537 KMTC-27 588
	WKHA-35 551		WLEX-18 473
	WLKY-32 437		0645 KDNL-30 432
	WDRB-41 "		0652 WEHT-25 420
4 Tr 1800	WUTV-29 445		0700 WDRB-41 437
1850	WSEE-35 405		0703 WKOH-31 467
	WQLN-54 "		1015 WSEE-35 405
	WCET-48 400		WQLN-54 "
1900	WUOL-33 498	31 Tr	1730 WLRB-26 25
	WKLE-46 473	Jan. 1 Es	1000 KATC-3 1,026
1950	WKYT-27 "		1028 WLBZ-3 865
	WTVQ-36 "		WBRZ-2 1,002
	KDNL-30 432		1040 WWL-4 1,028
5 Tr 1755	" "		1042 WUAB-2 784
	WKLE-46 473		1047 KJAC-4 1,080
	WTVQ-36 "		1100 KTBS-3 910
	WSEE-35 405		1104 KPRC-2 1,118
	WQLN-54 "		1110 KFTX-3 1,079
Es 1805	WGBH-2 Tent.		1110 KFTX-3 1,079
	WCAX-3 "		1300 KWB-6 Tent.
9 Ms 0532	KJAC-4 1,080		
11 Tr 1905	KMTC-27 588		
	2157 KOZK-21 "		
12 Tr 1802	KDNL-30 432		
13 Ms 0620	KLTV-7 950		
	0639 KOSA-7 1,189		
	0640 KLTU-7 950		
	0712 Ednc.-8		
	0726 KSWB-8 Tent.		
14 Ms 0545	KLTU-7 950		

Log Total now at: 772

I noticed quite a bit of Ms activity during the Geminids meteor shower in December. I concentrated most of my efforts on the hi-band channels and managed to snag KOSA-7 Odessa, Tx and KLTU-7 Tyler, Tx. I also saw

some unidentified ones on chs. 7 and 8. Another item of interest is that WLRB-26 Green Bay, WI. is on the air as of Dec. 30. Their tower is 660' above average terrain and they run 250/50kw ERP video/audio. Needless to say, they are considerably weaker than WJLA-38. They operate from approximately 1630-2200 daily. Also, no one has reported them yet but WQOW-18 Eau Claire, WI. is on. They are a satellite of WQOW-19; ABC network. And, while watching the CBS news program tonight I noticed an item furnished by WKYT-15 which is a new station in Greenville, MS. Also, hopefully in the near future, I plan on getting a different typewriter; one with smaller letters so I don't have to waste so much space like I did above by putting my report in two columns; then I would put reports in three columns. I also forgot to mention that there is a 500'+ translator tower going up on the northern end of the Door Co. peninsula, about 65 mi. North of here. Don't know which stations will be translated or on which channels the translators will be. More on that when information becomes available.

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From Gainesville, FL:

4-23 Tr 0030 WYES-12 New Orleans, La. 4-24 Tr 0855 Atlanta U's

From Havertown, Pa:

5-13 Tr 0800	WUNK-25	7-16 Tr 0830	WRET-36	8-26 Tr 2300	xltr-43 of
6-17 Es 1130	Cuba chs. 2,4&5.		(now WPCQ-wd)		WUNL-2
		7-17 Tr 0800	WNSC-30		WCTI-12
	1330 Miami Fm's		Rock Hill, SC		xltr-42 of WTVQ-11
	1430 Dothan "		Religious-45	9-6 Tr 0630	WFPT-55 (525)
	1730 Minn. "		WRLLK-35		Ft. Wayne
	1900 CHFD-4	7-28 Tr 2300	WRAL-5		WAKW-23
	Tr 2230	WUNJ-39	8-26 Tr 1000	WITN-7	0730
7-15 Tr 2100	" "		2300	WUNJ-39	WKW-52
	2130	WPTF-28		xltr-26	Keene, NH
				of WTVT-53	9-11 Tr
					WVIZ-25, WUAB-43.
					9-18 Tr 0030
					WLKY-32, WFTI-64
					WKAS-25
					9-22 Tr 0830
					WRET-36, WPTF-28

This will be my last report for a while since my dues are due. I have screened the top half of my 7' dish antenna which improved the high UHF channels. I disconnected the top half of the dish to lower the wind resistance so now (with the help of metal guides) the top half sways back during high winds.

Robert Goodman; 2030 Hering Ave., Bronx, NY 10461(CDT)

From Cicero, IL:

1329 Es 6-23	CKOS-3	7-14 Tr 0920	WPNE-38	7-17 Es 1200	WTVV-4 AL
2200 Tr 7-2	WCGV-24		0935	WTVQ-36	1330 WEAR-3 FL
7-10 Es 0940	brief Es	7-15 Tr 0800	WVIZ-25		1425 WLBZ-3 MS
7-11 Tr 0100	WICS-20	7-16 Es 1110	A few		1434 KATC-3 LA
	0110		KPLR-11	minutes; MUF	8-6 Tr 0010
	0945		WHLA-31	to ch.4.	WAND-17 IL
	1032	7-17 Es 1045	to ch.5		0647
7-14 Tr 0120	WTVQ-36		no I.D.'s		WKBD-50 MI
	WAND-17		until---	8-28 Tr 0959	WTVS-56 MI
	KPLR-11			1000	WPIX-19 KY
				9-5 Tr 2100	WIPB-49 IN
				9-6 Tr 0900	WCMU-14 MI
					WKAR-23 MI
					WXON-20 MI

8-28 tropo were fog associated. During 9/5 opening, I used CB-8 multi-band receiver instead of my (by then) all gaseous state TV. Noted Chicago 2m hams saying, "conditions tremendous", with QRM on repeater; WAW9AB near Cleve., mentioned as QSO. Then I did my only FM DXing from Cicero. Closed out Cicero log 9/30/80; then took show on road. In Bloomington, IL using CB-8: 10/1/80 0845 Tr WTV-18 WI. Then from South Hill, VA (on U.S. 1 and 58) on rembroke Cable TV; time EDT: 10/14/80 Tr 0800 WITN-7 under local WDBJ-7. Also a +10 offset--possibly WRAL(now WJLA-wd). They say they have a daily morning Tr QRM problem, and lowering the ant. (350' AAT, S.Hill) doesn't help. Since I've been here, Oct. 21, no DXing other than some F2 transatlantic audio. I do hope to see some t-a video at Gerald Pulice's. Last night I heard an AP radio story including an interview with Oker Ted Fleishaker. Seems he's ops mgr. of WUOL (FM), Louisville, which aired an NPR program depicting nuclear attack on the U.S. There were no disclaimers during the show, and civil defense sirens happened to go off in town simultaneously with it. Poor Ted!

Bill Fahber; 336 Atlantic St., Bridgeton, NJ 08302(EDT)

Here's my report for September and October. As you can see, it's all tropo except for a new local station. WWSG-57 in Philadelphia, PA has been seen testing on a few occasions at partial strength, but this is the first time I caught it at what seems to be full strength with a station I. D. slide. I guess they are about ready to begin regular broadcasting. It's going to be STV.

I spent many late hours looking for MS during the Draconid and Orionid meteor showers (Oct. 8&20) with minimum results. Draconids are a very narrow stream. The Perseids last August were really great. Unfortunately I spent little time DXing and got only two I.D.'s on Aug. 14. On Aug. 10 at 1430 EDT, 36 hours before maximum, I counted 27 instances of CCI in

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Bill Fahber; continued---

one hour from MS on ch. 2, nine of which were +10 khz offset. Shortly after the peak I counted 12 instances of CCI in 46 minutes (Aug. 11 at 1930 EDT), 4 or 5 of which were +10 khz. It wasn't until 8/14 at 0200 EDT, when local WMAH signed off, that DXing really got interesting. Thirteen cases of MSNO CCI this time) from 0200 to 0240, mostly WBC stations. After 0236 EDT it suddenly died. I guess everybody signed off. Judging from the 1980 Astronomical calendar, the Taurids (Nov. 5), Leonids (Nov. 17) and Andromedids (Nov. 14) look promising.

The tropo night of 9/4 was one of the best this year. By the evening of 9/5 it looked like another good night, so I DXed until 2115 EDT, then took a break (slept) until 2300. But by then tropo disappeared.

Those frequent CBS loggings on ch. 26, often with a WBOC I.D. have been puzzling me. It's definitely not caused by my TV, since I've gotten WBOC I.D.'s when WBOC wasn't even coming in (on ch.16). However, WNEP-16 in Scranton, Pa. had been planning a 100 watt translator in Bethlehem, Pa. on ch.26. If it has been working yet, it could possibly retrocast WBOC after WNEP signs off. But I'm guessing too much at this point. Maybe somebody in the Allentown-Bethlehem area can help me on this. I wrote to WNEP, but never got a reply. I know WBOC doesn't have a translator. Meanwhile, the Onancock translators are still working overtime.

One final note. I managed to obtain co-ordinates for every broadcast and translator station in and near the United States. Using a fairly simple formula, I am now able to calculate distances within a few hundred feet from my house to the transmitter on tropo stations, and within about a mile on skip stations. My old method of scaling on maps or using airline distance maps was better than I had thought, except for stations whose transmitters are quite distant from their city of license.

If I get any DX between now and Oct. 31, I will put it in next report. There hadn't been any DX for the past month except those Virginia stations, and I'm about tempted to put them on my "not newsworthy" list anyway."

8-29 Tr	0126	WYAH-27	VA 192	9-4 Tr	2306	WVIT-30	CT 202
9-1 Tr	2224	WCVE-23	VA t			WEDW-49	CT 168
	2232	WWBT-12	VA 180		2352	WCDC-19	MA 248
	2300	W25AA	VA 111 (WHRO-15)		2359	W60AI	NY 110 (WWHT-68)
	2232	WXIX-8	VA 183	9-5 Tr	0023	WATR-20	CT 186
	2355	WTVR-6	VA 176		0025	WGGB-40	MA t
9-2 Tr	0025	WVIR-29	VA t		0026	W60AL	VA t
	0450	WPTF-28	NC 325		0039	WWLP-22	MA t
		WTVH-8	CT 183		0231	Unided-26	CBS
	0639	W25AA	VA 111 (WHRO-15)		0234	WSMW-27	MA 273
		(xltng WLYH)			0311	WTEV-6	MA 260
		WTVZ-33	VA 193		0343	W53AA	NY 113 (WCBS-2)
	0650	WVBC-13	VA "		0403	W44AD	VA 111 (KYW-3)
	0653	WCTI-12	NC 323		0601	WJAR-10	RI 267
		WAVY-10	VA t		0636	WBOC-16	on ch.26 xltr
	0715	WICT-9	NC 304		2053	WXNE-25	MA 290
		Unided-45	CBS		2058	WVIT-30	CT 202
9-4 Tr	0645	W41AB	VA 183 (WVPT-51)		2103	WLVI-56	MA t
		WWBT-12	VA 180			WSNL-67	NY 145
		WAVY-10	VA 192			WSMW-27	MA 273
		WJAR-3	VA 191		2112	WEDH-24	CT t
		WXIX-8	VA 183		2302	WTVH-8	CT 183
		WYAH-27	VA 192	9-6 Tr	0055	WPRI-12	RI 268
		WTVZ-33	VA 193	9-12 Tr	2200	WCDC-19	MA 248
		W44AD	VA 111			W64AA	NY 113 (WNEW-5)
	2140	WTVR-6	VA 176			WEDW-49	CT 168
	2150	WVIR-29	VA 201			WGGB-40	MA 238
		WSBK-38	MA 290			WTVZ-33	VA t
	2158	WSNL-67	NY 145			WSNL-67	NY 145
	2200	WCVE-23	VA 183			WEDH-24	CT t
		W41AB	VA t			WVIT-30	CT t
	2232	WNAC-7	MA 290		2300	W60AL	VA 111
		WXVE-25	MA "		2330	WTVH-8	CT 183
	2246	WLVI-56	MA "	9-13 Tr	0004	WWBT-12	VA 180
		WSBE-36	RI t		0058	WVBC-13	VA 192
	2257	WPRI-12	RI 268		0105	KA2XEH-56	DC 105
	2303	WTVH-8	CT 183		0126	WPRI-12	RI 268
				9-18 Tr	0915	WCDC-19	MA t

Bill Fahber; continued---

				10-9 Tr	0714	W41AC	VA 111
						WAVY-10	VA 192
9-29 Tr	2304	Unided-46,	PBS		0742	Unided-41,	PBS
	2314	W14AA	VA 108	10-11 Tr	0914	WYAH-27	VA t
10-8 Tr	2148	W14AA	VA "			WTVZ-33	VA 193
		WHRO-15	VA 193	10-16 Tr	0001	W25AA	VA 111
		WYAH-27	VA 192			(xltng WLYH-15)	
		WTVZ-33	VA 193			WYAH-27	VA 192
		WVIR-53	VA 126		0006	WTVZ-33	VA 193
		KA2XEH-56	DC 105		0021	W41AC	VA 111
	2339	W60AL	VA 111		0041	W60AL	VA "
		W44AD	VA "			WVIR-29	VA t
	2347	Unided-25,	CBS, prob-		0100	ch.26 xltr	w/WBOC-16
		ably WLYH	thru W25AA			local programs,	
10-9 Tr	0012	Unided-26,	CBS	Gw 1557		WWSG-57	Pa 43
	0616	WWBT-12	VA 180			Philadelphia	
	0714	WXIX-8	VA 183				
		WVIR-29	VA t				

Saul Chernos; 79 Ridge Dr., Toronto, ON, M4T 1E6 (EDT)

From Burnt River, Ont.:

8-31 Tr 2300 CFEM-8 P.

From Toronto, Ont.:

9-8 Tr 2000 CICO-28 ON  
WUHF-31 NY9-8 Tr 2000 WXXI-21 NY  
10-1 Tr 0700 CICO-28 ON

Gerald H. Barkow; 29 Sedgefield Drive, Morris Plains, NJ 07950 (EDT)

"As a new member of the WTFDA, a brief introduction is in order. I'm married, 34 and expecting my first child early next year. I've been TV DXing on and off for about 20 years. Recently I've developed a renewed interest in TV DXing, thanks mainly to my discovery of the WTFDA. I'm also an active EOC and SWL Dyer. So far I've been very impressed with the contribution of club members to WFD sharing their DXing experiences, knowledge and expertise. Of course a special thanks goes to the editors who contribute and dedicate their time and efforts into making the WTFDA the Bible of FM and TV DXers.

The equipment here is a black and white quasar portable, with the option of either using rabbit ears or a non-directional roof mounted antenna. Next year I hope to invest in a more sophisticated antenna system and to expand my DXing activities to include the JRF and FM bands. With the VHF low band channels 2,4,5 being dominated by the New York City locals, ES DXing is a real challenge here. I can usually null WGS-2 & WLV-5 with the rabbit ears, but WBOC-4 is a real problem. Unless the ES is very strong, I.D.'ing stations on channel 4 is almost impossible.

How to this past season. Contrary to the general consensus of opinion that this was a very good ES season, that was not the case here. During the spring and early Summer months ES activity was well below par, with only a few sporadic openings of low intensity. Late July produced most of the ES activity for this season. Most openings were to the West, mainly the MO, IA & NE area, with very few openings noted to the South. As far as I'm concerned, this was another lousy ES season.

How to the specifics on some of the better openings. 7/21 produced a short opening to the South with WGS-2 visually I.D.'ed at 0130 and WBL-3 with local spots and audio for 6:00 o'clock news at 1000. At 1030 WTV-3 was briefly pushing thru. 7/25 was a most unusual opening with ES first noted at 2230 on 2a3. Initially I thought it was short tropo skip, maybe WMAH-2, because conditions were right for tropo. But, from 2300-2330 WTVI-2 was noted with a very strong visual signal over local WGS with a local newscast. There was also another station of weak intensity being detected on 2 with a local newscast. They had an I.D. slide at 2315 with the last two call letters looking like "NN", so, tentatively WNN, Dayton, OH. If it was WNN that would be my "shortest" ES catch ever, on 3 there were at least three stations on 2 but with only WMAH I.D.'ed. The other two were NBC and CBS affiliates. This opening lasted until 0100 making it one of the latest at night openings here in quite a while. 7/26 WBRZ-2 with good visual signal over WGS 1930-2000 with an I.D. slide for

Gerald Barkow; continued---

the entire 30 minutes with the wording "local video difficulties". 8/10 ES noted on 2 from 2040-2200 with "severe storm warning for St. Charles and St. Louis Counties", so KTVI. Well, that's it for another season. Let's hope next year is a super ES year." (Amen to that--wd)

Steve Sprachman; 3939 Ewe Drive, Seaford, NY 11783 (LDT)

"Dear Mr. Kramer, or whatever else you are calling yourself this month. It's hard to believe that 1980 is almost over. From the looks of the DXing here, the 1980 season is over. At least it allows me to start planning for my 1981 vacation, which is set for May. I'm planning to drive to Rocky Mt. National Park in Colorado, via Columbus, Indianapolis, Springfield, Des Moines, and North Platte on the way there. The return trip will take me through Rapid City, Pierre, SD, Madison, Chicago, Lansing and Toronto. I expect to pick up at least 20 editions of TV Guide and numerous "freebies". If any one wants any, I'm taking "orders".

Now, on to my report: Days with tropo activity--Sept. 13,14,19,20,28,30, Oct. 8, 11, 16. (These are only relogs; it keeps you from typing out long reports.) No Es seen in Sept. or Oct. highlights: Sept. 20 2000 Boston area U's; WSMW-27 MA with STV.

The barker channel on WSMW-27 STV is very clear. The barker channel on W60AJ New York (and I suppose WHTT-68 Newark) is hard to hear. WSNL-67 Smithtown barker channel is barely audible or non-existent. WSMW's barker has community events and WHTT's has music and subscription info. What is the quality of other STV's barkers? That's it for this month."

Marvin Shults; R.R.#1 Toulon, IL 61483 (CDE)

9-27 Tr 2130 KTVP-29 AR 2200 Louisville U's
9-29 Tr 0722 WLI0-35 OH
0727 Toledo U's
0728 WVIZ-25 OH
WAKR-23 OH
0729 WTEO-45 OH
WBAO-49 OH
WBGU-57 OH
0800 W47AB OH
10-1 Tr 0714 KOLD-11 OK
0715 KGHC-34 OK
0725 KTVP-29 AR
0730 KOKU-8 MO
KTVJ-16 MO
0759 KLEN-24 AR (now NBC)
0859 WLOS-6 MO Sedalia
10-2 Tr 0700 W69AB WI
W56AB WI
K74CO IA
0715 WKMA-35 KY
0730 KBMA-41 MO
10-9 Tr 0659 WKLN-27 OH
WFMJ-21 OH
WDHO-24 OH
0700 WUAB-43 OH
WPGH-53 OH
WPKY-32 KY
WTVQ-36 KY
WUAB-43 OH
Detroit U's
WAKR-23 OH
WDHO-24 OH
0705 WQTE-30 OH
0708 WUTV-29 NY
10-10 Tr 0630
0658
0705
0708
10-19 F2 1145 France 41.25
10-29 F2 0845 BBC-1 41.50
10-942 France 41.25

Bill Fahber; 336 Atlantic St., Bridgeton, NJ 08302 (LST)

"On Nov. 3 there was enough Es to ratify the SRA by popular vote. During a one-hour watch on ch. 2 I counted 54 instances of CCI by meteor scatter, although none strong enough to I.D. The Taurid meteor showers (Nov. 3-5) are supposed to contain fireballs; something produced a doozie of them on Nov. 6 at 2321 EST. The Leonid shower (Nov. 11-14) was a flop. but the Geminid shower (Dec. 4-16) made up for it. On the morning of 12/8 I saw more TP's than all of little Bighorn. I estimate about ten stations were constantly popping in all night with either TP's or movies. Each station popped in once every 10 to 20 minutes. Although the Geminids didn't peak until 12/14, the eighth was still the best morning. Most of the stations simply were not on during the rest of the shower. What few were on continued to pop in every ten minutes during the shower.

Although the Ursids (Dec. 17-24) are normally poor, several astronomy groups had high hopes this year, since Comet Tuttle (their source) just missed the Earth by one month. I caught a virus that week and forced myself to DX on the peak night (Dec. 21-22). ES that night was about as

26

Bill Fahber; continued---

heavy as the Geminids shower. I'm anxious to hear the results of the astronomy clubs. (I'm beginning to think ES stands for "Missed Sleep").

The best tropo of the year occurred on Nov. 7 and Dec. 28-29. The loggings in the morning of Nov. 7 were most likely tropo ducting. Stations in a line from Charlotte & Winston-Salem, NC, Richmond, VA, Washington, DC, up to New York came in exceptionally clear for only a few minutes. WGNH-45, with only 1/3 the power of WBFF-45, and 4 1/2 times the distance, totally obliterated WBFF, which came in crystal clear a few minutes later. By then any trace of the duct was gone. The only front in the area was along the Great Lakes, but whatever moved in brought in a warm Indian summer with it.

The night of Dec.28-29 was the best in years. Don't let the 186 mile Binghamton loggings fool you. From here tropo beyond the mountains almost never happens here.

Last minute note on the quadrants shower. This morning (1/3/81) was the closest morning to the peak. Unfortunately the radiant is low during the best viewing time (2-5 A.M.). WBAY and three test pattern stations were on all night, and each came in once or twice a minute. A few other stations came in less frequently. (This one turned out to be a dud here, but I wasn't watching low-band but instead, hi-band. Maybe that's why.-wi)

10-31 Tr WPRO-15 VA 193
2030 W25AA VA 111
WYAH-27 VA 192
WTVZ-33 VA 193
W44AD VA 111
WVVI-53 VA 126
W60AL VA 111
WKEK-8 VA 183
2100 WAVY-10 VA 192
WVEC-13 VA "
WNET-12 VA 180
2118 W44AA VA 108
2203 KA2XEH-56 DC 105
2247 W41AC VA 111
2257 WVEC-23 VA 183
2111 WTVR-29 VA 201
11-4 Tr 2204 WVVI-53 VA 126
11-7 Tr 0740 WCVL-23 VA 183
WKEK-8 VA 183
0746 WGNH-45 NC 357
(Winston-Salem; now WJTM-wi)
0750 WPCQ-36 NC 415
(Charlotte; was WGT-wd)
WCVI-57 VA 183
Richmond
0753 WHTT-68 NJ 113
0800 WNET-12 VA 180
0803 WYAH-27 VA 192
WTVZ-33 VA "
W41ab tent. 183
KA2XEH-56 DC 105
0815 WNYE-25 NY 110
11-9 Tr 2347 WKEK-8 VA 183
WNET-12 VA 180
WVEC-13 VA 192
W60AL VA 111
KA2XEH-56 DC 105
WCVL-23 VA 183
WTVZ-33 VA 193
11-13 Tr 2108 WYAH-27 VA 192
WTVZ-33 VA "
2144 W60AL VA 111
WPRO-15 VA 193
2232 W41AC VA 111
11-14 Tr 0629 WNET-12 VA 180
11-14 Tr 0704 WKEK-8 VA 183
0710 WAVY-10 VA 192
WLIW-21 NY 125
KA2XEH-56 DC 105
0744 WCVI-57 VA 184
0800 WJTM-45 NC 357
0807 W79AX VA 124
W81AL VA "
0831 W73AS VA 128
W75AP VA "
0839 WTVR-6 VA 176
0842 W44AA VA 108
WPRO-15 VA 193
WVVI-53 VA 126
WCVL-23 VA 183
0855 W79AX VA 124
0859 WCVL-23 VA 193
11-23 Tr 2010 WPRO-15 VA 193
2015 WTVR-3 VA 192
2300 WNET-12 VA 180
2307 WYAH-10 VA 193
W60AL VA 111
WVEC-13 VA 192
WKEK-8 VA 183
WYAH-27 VA 192
2343 WCVL-23 VA 183
11-24 Tr 0713 WTVR-30 CT 202
WDCO-19 VA 249
WTVI-40 VA 238
12-1 Ls 1802-1820 Unided-2
12-7 Ls 1435 Unided-2; NBC
12-8 Ls 1654 " 2; PBS
1702 " 3; "
1710 " 4; "
12-9 Ls 0248 " 2; ABC
12-10 Ls 0404 KTVI-2 MO 814
12-13 Ls 0336 " "
2008 WET-2 IN 300
2104 Unided-4; CBS
2106 " 5; ABC
12-23 Tr 2045 WYAH-27 VA 192
2111 W44AD VA 111
2116 WVVI-53 VA 180
W60AL VA 111
2140 WTVZ-33 VA 193
2200 W25AA VA 111
12-28 Tr 2230 WDCO-19 VA 180

Bill Fahber; continued---

12-28 Tr 2240 WSKG-46 NY 186  
Binghamton  
2310 W3WG-12 NY "  
Binghamton  
12-29 Tr 0011 WICZ-40 NY "  
Binghamton

12-29 Tr 0039 W60AL VA 111  
0720 W3WG-12 NY 186  
40 and 46 still  
in.  
0729 Unided-34; not  
ABC.  
1-3 Ms 0310 W3AY-2 WI 760  
Title Town, USA

Richard Turcsany; 7 Cayer Circle, Shelton, CT 06484 (EDF)

6-16 Es 1330 WPCA-2 MN 940  
1340 WCCO-4 MN "  
ADLO-3 SD 1070  
Watertown  
1430 KUSD-2 SD 1120  
Vermillion  
1500 KDLH-3 MN 900  
Duluth  
1530 WMT-2 IA 860  
2035 KXON-5 SD 1090  
Mitchell  
2045 WPRY-4 SD 1230  
Pierre  
2100 KBBE-3 ND 1270  
Bismarck (new state)  
2110 KGFE-2 ND 1120  
Grand Forks  
2150 KDIX-2 ND 1320  
Dickinson

6-17 3Es 1325 BBC-1 UK  
"Crystal Palace"  
very weak.  
Es 1630 CJCB-4 NS 680  
CJCB7-2 NS  
(location not known)  
CJCB7-3 NS 620  
1650 CBMT-3 NS 470  
1908 CJCH-5 NS 40  
6-18 Es 1500 KSDK-5 MO 850  
St. Louis  
1900 W3BF-4 IL 780  
Rock Island  
2010 WTMJ-4 WI 700  
Milwaukee  
6-20 1130 WDTN-2 OH 530  
Dayton  
1200 KARL-6 MN 930  
Austin  
1300 WJBR-2 MI 450  
Detroit

6-23 Es 1100 KFDX-3 TX  
Wichita Falls

7-1 Es 1947 CJCH6-6 NS  
Caledonia  
7-9 Es 1219 KP10-6 SD  
Reliance  
7-14 Tr 2220 W52-- VA (W1RO-15)  
Craddocksville  
W58-- VA (WTAH-3)  
Craddocksville  
W68-- VA (WVEC-13)  
Craddocksville

7-16 Es 1030 CBWCT-5 ON  
Ft. Frances  
1800 CJON-6 NF  
St. John's  
1805 CJAP-3 NF  
1825 CJCH-4 NF  
Grand Falls

"This report was originally three pages long, but was trimmed in order for me to report on F<sup>2</sup> reception in time for the F<sup>2</sup> season. Es was in almost every day this summer, and I logged several new stations near the Great Lakes and

7-16 Es 1825 CJCB-4 NS  
Tr 2100 W41AB VA (WVPT-51)  
Culpeper  
7-17 Es 1815 KIMT-3 IA  
1820 KXON-5 SD 1090  
1831 WOI-5 IA  
1857 WQWT-6 NE 1030  
2130 Unided-7 CCI.  
2358 CKPk-2 ON muf 108+

At Hartford, CT.:

7-27 GW 1200 W61-- CT (WXTV-41)  
Hartford

Back here:

8-1 Es 1715 TR-2, Cuba "Moscow  
Olympics; picture  
good due to WGBB on  
Tr."  
8-3 Tr 0100 W60-- PA (WBRE-28)  
Bethlehem  
9-2 Tr 0900 WUNL-26 NC  
Winston-Salem  
WGNW-45 NC (now WJTM)  
Winston-Salem  
9-4 P<sup>2</sup> 0910 Norfolk U's & V's  
1320 "LA pagers on 35 Mhz"  
9-5 Tr 2000 Norfolk U's & V's  
W60-- VA (WVEC-13)  
Onancock  
9-11 Tr 2145 WSPW-27 MA  
Norfolk V's  
9-12 Tr 2100 WITN-7 NC  
2150 WUNL-25 NC  
Greenville  
W44-- VA (WTAR)  
Onancock  
W52-- VA  
W58-- VA  
W60-- VA  
W63-- VA (WAVY-10)  
9-13 Tr Craddocksville  
0845 WTAH-3 VA  
Norfolk  
WITN-7 NC  
WNCT-9 NC  
0850 Norfolk V's & U's  
SC U's  
W44-- VA  
W60-- VA

Richard Turcsany; continued---

the Dakotas. 7/17 was a super opening, but I turned to ch.7 too late to see any watchable Es. By the way, my F<sup>2</sup> gear is ready for this season, and I plan to take pictures since this may be the last time that E-2 and K-1 will be in. Some TV news;-- The Onancock and Craddocksville, VA transmitters are on, although only a few have been seen here. WABC-7, NYC prepare to move their antennas to the World Trade Center and will go to circular polarization. In PA, W3HW-27 STV service appears scrambled, but they seem to encode the picture using positive modulation, since it looks like a negative. Also, unlike other STV stations, the "barker channel" (station's main audio carrier), is of superior FM audio quality. Here's hoping the F<sup>2</sup> continues and conditions will be good this winter."

Michael P. Hollis; 102 Star St., Enterprise, AL 36330 (CST)

"The following DX was seen while on 30-day leave from Korea:"

11-16 Ls 1830 KTVS-3 CO 1180  
Sterling  
1835 KYCU-5 WY 1280  
Cheyenne  
1900 KHPA-6 CO 1250  
Denver  
2000 KLINE-3 WJ 1050  
Lexington  
2100 KNOP-2 NE 1090  
North Platte  
11-24 Ms 0520 W3AY-2 WI 950  
Green Bay  
0528 W3AR-2 MD 780  
Baltimore  
11-30 Tr 2230 KADN-15 LA 380  
WRBT-33 LA 320  
2300 KHTV-39 TX 590  
WLPE-27 LA 320  
2335 WBRZ-2 LA 320  
12-1 Tr 0505 KNOE-8 LA 380  
0512 KLAJ-14 LA 380  
0523 WTV-9 MS 250  
0530 WTV-9 TN 260  
0540 WAAV-31 AL 250  
0541 WAFF-48 AL 250  
WDEF-12 TN 260  
0546 WENT-19 AL 250  
0558 WQML-15 AL 270  
12-3 Tr 0518 WAFB-9 LA 320  
0550 New Orleans V's 270  
12-5 Tr 0516 WITV-7 SC 380  
WBEA-14 SC 300  
0517 WJCT-7 FL 280  
0526 WJKS-17 FL 280  
12-7 Tr 0505 WSPA-7 SC 350  
WJFB-6 GA 290  
WLTN-19 SC 350  
0518 WRET-36 NC 300 (now WPCQ)  
Charlotte  
WITV-7 SC 380  
WJPH-33 SC 400  
Florence  
WRLK-35 SC 350  
0541 WIS-10 SC 350  
0700 WAVT-15 MS 300  
Greenville  
1954 WPCI-45 TN 260  
2000 WHP-61 TN 260  
2100 WJCN-8 TN 350  
2200 WCTE-22 TN 340  
Cookeville  
12-8 Tr 0436 WITN-7 NC 590  
Washington

12-8 Tr 0446 WSAV-3 GA 300  
Savannah  
0518 WRET-36 NC 400  
0519 WFTV-11 NC 520  
Durham  
Ms 0600 WCI-5 IA 680  
Ames  
Tr 0612 WSPA-7 SC 350  
0700 WPTF-28 NC 520  
12-10 Tr 1130 KHTV-39 TX 590  
1400 WCLS-20 GA 280  
WAFU-26 GA 290  
WLTN-19 SC 350  
WLOL-25 SC 350  
1430 WBEA-14 SC 300  
1500 WRJA-27 SC 380  
1700 WADL-12 GA 290  
1715 WCSC-5 SC 380  
WITV-7 SC 380  
1716 WSAV-3 GA 300  
1720 WTOC-11 GA 300  
1930 WJCL-22 GA 300  
2000 WJCT-7 FL 280  
WERS-17 FL 280  
2002 WFTV-12 FL 280  
2005 WCLB-20 FL 250  
2100 WRAO-47 FL 280  
Jacksonville  
12-11 Ls 0543 KTV-2 MO 780  
St. Joseph  
Tr 0600 WIOJ-44 FL 300  
WCLF-22 FL 300  
2100-2300 KHTV-39 TX 590  
WAFB-9 LA 320  
WABT-33 LA 320  
WLPB-27 LA 320  
WVLE-8 LA 270  
WQML-15 AL 270  
WYSS-12 LA 270  
2300-2330 WBEA-10 FL 400  
WFTV-26 FL 450  
WLTN-40 FL 340  
WFTV-23 FL 500  
2340 KNOU-11 TX 590  
12-12 Tr 0100 KBTM-12 TX 500  
0430-0800 Inversion over-  
to St. Louis  
stations within 300-350 miles local  
quality signals; all Pologs.  
12-13 Ls 0453 WGR-2 NY 920  
Buffalo  
0459 WDSB-2 NY 950  
New York



Michael P. Hollis; continued---

12-13 Ms 0521 WJBK-2 MI 800
Tr 0600 KPLC-7 LA 460
Ms 0601 KATV-2 MO 780
0614 KTVI-2 MO 590
St. Louis
0615 KPHC-2 TX 590
Houston
0616 WBBN-2 IL 750
Chicago
0647 KCKT-2 KS 900
12-14 Tr 0505 WVTM-13 AL 170
0518 WMTV-29 SC 320
0540 WDEF-12 TN 260
0542 WTVG-9 TN 260

12-14 Tr 0543 WATU-26 290
0545 WRDW-12 290
0553 WFIE-14 480
Evansville
0556 KATV-7 MO 550
Little Rock
0556 WGGG-16 SC 320
0608 WKPC-15 KY 480
Louisville
0624 WPTV-24 TN 370
Memphis
0630 WZTV-17 TN 350
0644 WBSH-25 IN 480
Evansville
0645 WDMN-7 MS 210
0700 WRIP-61 TN 260

Jeff Wolf; continued---

15 Tr 0441 WNCT-9 NC
0515 WXIA-11 GA
Atlanta
WITN-7 NC
0535 WRET or WATL
0700 WTVD, WPTF
WRET-36 NC
0815 WJPM-33 SC
Es 1000 Unided-3
Tr 1200 WUAB-43 OH
WPGH-53 PA
1207 WYTV-33 OH
WAKR-23 OH
1530 KUSD-2 SD
WJAN-17 OH
WVIZ-25 OH
1237 WUHQ-41 t
1330 KDKA-2 PA
WPCB-40 PA
1853 WJMN-50 t
1900 WXTV, WJLU t
16 Tr 0725 WTVR-6 VA
1019 W81AL, W79AX
Es 1040 Unided-2;
Tr WXTV-41 NJ
WCVW-57 VA
1100 WTVD, WPTF,
WSET
Es 1200 Unided-2;
Canadian
Tr 2045 WNYC-31 t
WLIW-21 NY
2100 WJNB-58 NJ
WJMN-50 NJ
2210 WXTV-41 NJ
2235 WVIA-44 PA
WVIT-30 CT
WLVF-39 PA
WVHT-68 NJ
WWSN-67 NY
17 Tr 0605 WFMZ-2 NC
WRAI-5 t
WXEX-8 VA
WGHP-8 NC
0610 WRET-36 NC
WCCB-18 NC
0615 WTVD, WPTF,
WSLT
WGNH-45 NC
0650 WLVF-39 PA
0705 WNSC-30 NC
0715 WRBK-35 SC
0743 W52AB
(xlting WLYH)
Unided 53; WBC
0750 W68BH, W63AM
0837 W60AB
WV
WXII-12 NC
Es 1100 KYTV-3 MO
KFDX-3 TX
KARD-3 KS
1110 KTEW-2 OK
1140 KTBS-3 LA
1327 KAUZ-6 TX
Wichita Falls
1630 KARD-3 KS
1720 KCAT-2 KS
1815 KDLH-3 MN
1903 WDAY-6 ND

17 Tr 2135 Craddocksville

2140 WPTF-28 NC
WTVD-11 NC
WUNK-25 NC
WUNJ-39 NC
2335 WXTV-41 NJ
WJMN-50 NJ
WJNB-58 NJ
WVHT-68 t
19 Es 0117 Unided-2
21 Es 1200 WBRZ-2 LA
1300 KATC-3 LA
1505 KNOP-2 t
1530 KUSD-2 SD
22 Es 1000 WPBT-2 FL
1030 WESH-2 FL
1047 WCIX-6 FL
1300 KCKT-2 KS
26 Es 0030 KOTA-3 SD
Rapid City
Tr 0730 WKBN-27 OH
0740 WPCB, WPGH
Es 0750 WPBT-2 FL
Tr 0833 WRET-36 NC
Es 0909 Cuba-6
1000 KFDX-3 TX
1030 KBTX-3 TX
1910 Cuba-2 t
1920 WBRZ-2 LA
2000 KATC-3 t
27 0900 Es WPBT-2 FL
28 Es 1900 KATC-3 LA
1913 WRET-3 t
2000 KTBS-3 LA
2211 KFDX-3 TX
29 Es 0835 WPBT-2 t
1140 KTEW-2 t
30 Es 1912 KTBS-3 t
1919 KATX-3 TX
1930 WBRZ-2 LA
2000 WDIQ-2 t
2303 WPBT-2 FL
Tr 2347 WJMN-50 NJ
WJNB-58 NJ
31 Tr 0653 WUAB-43 OH
0845 WKBD-50 MI
WTVG-56 t
WPGH-53 PA
0900 WAKR-23 OH
WOC-6 IA
0930 WJTV-52 NJ
Unided-53 xltr;
same xltrs as 7/17
0950 WCTI-12 NC
Es 1030 KTEW-2 t

Paul Traska
64 Weaver Ave.
Buffalo, NY 14206
EST-EDT
9/24/79-9/19/80

9/24 Tr 0213 WSLS-10 VA
0930 WMTV-9 MI
30 Tr 2140 CHOT-40 PA
MIOT
11/25 Tr 1110 WEDU-16 IN
WMIT-34 IN
WMBE-46 IN
WCFB-38 IL
WFFT-55 IN
12/19 Es 1812 WSAV-3 VA
31 Tr 0103 WPCB-40 PA
Greensburg
0105 WPTF-22 PA
Pittsburgh
0155 WNS-10 OH
0207 WOMB-13 WV
1230 WUCB-44 OH
1307 WDET-48 OH
1309 WPRO-42 OH
1324 WOSU-34 OH
2132 WJRT-12 MI
2145 WUHQ-41 MI
2150 WCFB-38 IL
2158 WCIU-26 IL
2201 WCAE-50 IN
2203 WMBE-46 IN
2205 WSNL-67 IN
1/1 Tr 0001 WEDU-16 IN
0010 WFLD-32 IL
0131 WILX-10 MI
0240 CKCO-11 OH
2/19 Tr 1700 WUHF-31 NY
Rochester
6/3 Es 1600 KLINE-3 NE
6/16 Es 0155 KYTV-3 MO
0214 KTEW-2 OK
0215 KDFW-4 TX
0216 KQAS-5 TX
2115 KOET-3 OK
2210 KFDX-3 TX
6/17 Es 1320 WSRD-3 KS
1329 KCKT-2 KS
1400 KLINE-3 NE
1425 WQMT-6 NE
2130 KOTA-3 SD

continued next month

"CFSS-3, Estevan, SK (1430 mi.) received on June 20, 1980 at 1226 EDT was reported in Oct. 1980 WJD as Unided-3 SK. Recently received verification."

I have some last minute information on the new local UHF channel here, WLDH-26 Green Bay. They've increased the time they are on. They start at 0930 and are on until around 0100. This is their Mon-Fri schedule. On Sat. & Sun they sign on at 0700. They still have considerable problems with locally originated ads, cartoons, etc. including I.D. slide(i.e. color)

Jeff Wolf; 1131 University Blvd. W., Apt. 701, Silver Spring, Md. 20902

July 1 to July 31 (EDT) tentative
1 Tr 2010 WSVN-47 t 8 Tr 2333 WVIZ-25 OH
WSLS-10 t WBAO-49 OH
2 Tr 0657 WTVD-11 NC 2345 WNEO-45 OH
WPTF-28 NC Alliance
0700 WSLS-10 VA 9 Tr 0035 WKBN-27 OH
0805 WCTI-12 NC 0103 WFLD-32 IL
Es 2100 Unided 2&3 WSNL-67 NY
Tr 2233 WLVF-39 PA Chicago
2300 WPHZ-69 PA WCFB-38 IL
3 Tr 0000 WSNL-67 NY Chicago
1117 WSDA-43 PA 0200 WPMJ-21 OH
4 Tr 0730 WPGH-53 PA Youngstown
0735 WIIC-11 PA 0213 WSBT-22 IN
Es 0905 Cuba-2 S. Bend
Tr 0935 WUAB-43 OH 0235 WPCB-40 PA
1000 WAKR-23 t 0405 WJKW-8 OH
KDKA-2 PA 0430 WISN-12 t
5 Tr 0753 WSNL-67 NY 0446 WNCT-9 NC
0800 WVHT-68 NJ 0510 WITN-7 NC
1723 WSET, WPTF 0526 WPGH-53 PA
1725 W77AE VA 0540 KDKA-2 PA
2300 W74AU VA WIIC-11 PA
6 Es 1328 KDLH-3 SD 0550 WPTF-28 NC
1400 KBNL-3 ND WJAN-17 OH
8 Tr 0730 WCTI, WPTF, WTVD
Ls WUAB-43 OH
Tr 0733 WKII-12 NC 0600 WJKW-8 OH
0744 WBTW-13 t 0617 WUHQ-41 MI
0812 WJPM-33 SC 0620 WPTT-22 PA
0816 WRBK-35 SC WAKR-23 OH
1130 WLVF-39 PA Ls 1200 KDLH-3 IN
1210 Philly U's 1339 Unided-3,
1230 Norfolk U's Canadian
Ls 1245 WKBD-50 t 2000 Cuba-2
WUAB-43 OH Tr 2300 WPTF, WTVD
1255 WUHQ-41 t 10 Tr 0305 WCTI-12 NC
Tr 1330 WPGH-53 PA Es 1037 WBRZ-2 t
1339 WJTV-47 ND KATC-3 LA
1540 Salisbury U's Tr 1110 WUHQ-41 MI
WYTV-33 t
Es 1852 KTEW-2 t WQVC-35 MI
Tr 2135 WPTF-28 NC Grand Rapids
2149 WYTV-33 OH Es 1230 WPHS-2 FL
WUAB-43 OH WESH-2 FL
2226 WKBD-50 MI 1928 KATC-3 LA
2240 WCTI-12 NC 2000 Unid-6,CBS
2245 Detroit, 2030 KTVI-2 MO
56 & 62 t 2300 WPBT-2 FL
WAKR-23 OH 2320 Cuba-2 t

Nice December 18 tropo session, reminding one of what was a daily event six months ago in the heat-wave period.

Es into Latin America didn't link with other modes (TE or F2) as wrong time of year for much chance of that.

73, Pat, WA5IYX

Another month has passed with no DX seen here. There was late December Es, but I missed it. My brother who lives at my Des Lacs DX location reported a couple of evenings with Es to channel 4 from the west.

Please report any December DX you have. This column is getting a bit thin. Thanks to Pat for this month only report.

New	New Mode	Tentative - t	Unidentified - unid.
Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228 CST			
Equipment: 1980 model Penncrest (1001-D) 9" b&w; Archer V-100 and 3-bay bow-tie UHF array at 20 feet with rotor			
<u>November 1980</u>			
16 Es	1310-1830 unids 2-6 (MUF 107.9 @ 1850) 2100-2320 unids 2-4 2228 WBAY 2 WI 1190 2320 f/out	29 Es 1535-1550 unids 2 Mx 1555-1625 unids 2-4/ Mexico 1630 XEWO 2 690 1655 f/out	18 tr 0626 WEAH 19 MS 590 WMAU 17 MS 470 0627 WAPTt16 MS 525 KLAAt14 LA 430 WKAAt14 MS 620 0628 WMAO 23 MS 570 0630 KADY 15 LA 395 0712 WLPB 27 LA 450 WGNt26 LA 510 KLTSt24 LA 350
17 Es	1900-1925 unids 2-5 1929 CKC?? 2 1959 KGFE 2 ND 1240 2025 KPRYt 4 SD 1035 KFYRt 5 ND 1200 (MUF 106.7 @ 2157) 2201 KIMT 3 IA 985 2205 KDLO 3 SD 1070 2329 KTCA 2 MN 1110	30 Es 1900-2000 unid 2 s/se (spanish)	0725 WAFB 9 LA 450 0735 WMAA 29 LA 525 0825 WRBT 33 LA 450 2040 KNBCT 4 CA 1190 KTLAt 5 CA 1190 (MUF 105.9 @ 2047)
<u>December 1980</u>			
18 Es	0000-0005 KUSD 2s/off 0835 unids 2,3 0838 WCMHt 4 OH 1135 0840 WDTN 2 OH 1075 0844 WKYC 3 OH 1250 0925 f/out	1 Es 1635 unid 2 ne 1645 WGR t 2 NY 1420 1700 KDKA 2 PA 1280 1710 unids 2,3 1758 WSJK 2 TN 1010 1815-2100 unids 2-4/ s/se (spanish) 2100 YSR 2 ES 1200 2130 f/out	2045 KNXT 2 CA 1190 2120 XHBCt 3 BCN1010 2130 f/out
19 Es	0727 WJBC 2 MI 1225 0728 WSAZ 3 WV 1100 0735 WWJ t 4 MI 1225 (MUF 92.3 @ 0735) unids 2,3 until 0925 0958 unid 2 n(brief) 0640 unid 2 ne (brf)	6 Es 2145-2225 unids 2 2229 WESH 2 FL 1055 gone by 2300	20 Es 1145 KTWot 2 WY 1015 1200 KOTAt 3 SD 1040 1210-1330 unids 2,3 1332 KDIX 2 ND 1225 1400 f/out
24 Es	0728 WTWO 2 IN 935 0735 WAVet 3 945 0750 WNGEt 2 TN 820 0833 WCIVt 4 SC 1120 0850 WCBdt 2 SC 1120 0959 WESH 2 FL 1055 1025 f/out 1115 unids 2 1129 WESH 2 FL 1055 1159 WTHS 2 FL 1150 1220 WEDUt 3 FL 985 1233-1300 Cuba 2(tp) 1400-1425 unids 2/ se (spanish)	7 Es 0220-0235 unids 2 ne 0300-0335 unids 2 0400-0445 unids 2 0415 WBBMt 2 IL 1045 0800-0825 unids 2,3 0829 KUSD 2 SD 920 0859 KCKT 2 KS 615 0930 f/out	25 Es 1710 unids 2 se 1718 YSR 2 ES 1200 1750 YSut 4 ES 1200 1829 TGVt 3 GU 1120 1920 f/out (from 1815 ch2 Mexico mix) 1157 KNXT 2 CA 1190 1202KTVK 3 AZ 835 1223 KNBCT 4 CA 1190 1330 f/out
8 Es 1810 unid 2 e (brief)			
10 Es 1945-2015 unids 2,3/ nw 1948 KNXTt 2 CA 1190			
12 Es 1830-1900 unids 2,3 2110 unids 2,3 (much ms overlap)			
14 ms 0300-0500 lots, plenty of ch5 CB's & res. bars w/out ID's! 0535 local 5 on			
18 tr 0620 KALBt 5 LA 385 0623 KPLC 7 LA 325 0624 KATC 3 LA 395			

The big January 1, 1981 Es event will be in next time.

Es of November 16 the best since early August. The 16-19 period seems typical of a post-Leonid series of openings. The morning openings of 18 & 19 a little rare - though a lot more of it later in November and into December.

Wee hours of December 7 frustrating with all-night movies in without commercial breaks, etc.

Geminid shower as far as TV concerned for me a disaster. (FM results almost bad and nothing heard on 144 MHz).

## MORE TV DX PHOTO TIPS

by PETER WEEKS

I have recently experimented with photographing TV with the aim of coming up with good quality prints with pleasant tonal range (which I have printed up in the darkroom on regular #2 Ilfospeed paper). For this, I am using an old Rolleicord 2 1/4 square camera, although a good 35-mm one can be used as well.

Regarding Robert Kramer's article in VUD, September 1980, entitled "Photographing TV DX Using a Primitive Camera", I'd like to add some pointers regarding the use of ADJUSTABLE, more expensive cameras. The following combination of settings and techniques has worked well:

- (1) Place camera on a tripod for maximum steadiness and also convenience (the camera will be set in position for any sudden use for that elusive DX). It can be set in a position a little below the line of viewing, so that it needn't interfere with comfortable viewing from further back in the room.
- (2) I agree with Kramer's use of a shutter speed of 1/30th, although in this case, we have the flexibility to use a setting as wide open as f/3.5 for full exposure of the negative.
- (3) I also use Tri-X film, speed ASA 400.
- (4) Adjust the brightness and contrast controls of the TV set such that you can see the whole range of dark and light. Much can be lost in the shadow sections of the picture. I guess faces are a good test of the greys.
- (5) I agree with Kramer that it is best to take 2 or 3 extra shots of a given TV ID, pattern, or any picture you're interested in; then you have the choice of the clearest final photo.
- (6) I have found that with this particular camera, it was best to use a #1 close-up lens in order to fill up the viewer area, so that the camera is roughly 2 1/2 feet from the 12" B&W Panasonic that I use.
- (7) If you develop the films yourself, I would recommend Microdol-X, preferably at roughly 30-40% above the normal recommended developing time. This brings up the contrast if your exposure meter indicates you are underexposing the pictures a little. (At f/3.5 it is only a slight underexposure).

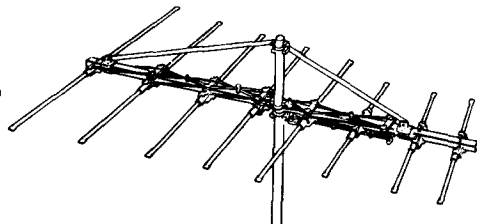
Doing this has yielded fine pictures on the regular #2 paper. Robert Kramer has offered the service of developing films. Best of luck on your pictures!

# TECHNICAL TOPICS



**Q:** "I understand that most of the best TV DX antennas for VHF are 'log-yagi' types--but what about FM DX antennas?"

**A:** The log-yagi design is common among FM antennas, too. Some DXers may note that some of the better FM DX antennas seem to be "more yagi than log," but this may be due to the fact that an FM broadcast band receiving antenna is designed to cover a comparatively smaller frequency range (20 MHz or so) than a VHF TV antenna. An example of an FM band log-yagi, with peak forward gain of around 8 db is at right. While this type of antenna offers fairly good DX performance, a better choice for DXing would be something that more closely resembles the classical yagi design, such as the Channel Master Stereo Probe 9, Winegard SC-650, Antennacraft GFM-10, or similar.



**Q:** "Does tropo occur on the 30 to 50 MHz band?"

**A:** Yes, but the effects of tropospheric bending on that band are not as easily noticed, unless you live in a very good area for tropo, such as a coastal region. Tropo openings almost always are more spectacular the higher you go in frequency. You may note improvement on 2 meter amateur radio FM channels in the 146-148 MHz range, or National Weather Service stations in the 162 MHz region, while noting little or no real improvement on the 30 to 50 MHz stations coming from the same areas. It takes a "better than average" tropo opening to bring the 30 to 50 MHz band to life with tropo DX, but monitor closely, because you can hear some good DX there. Obviously, most DX on this band will be via skip, but don't forget that if you use a programmable scanner, you have a sensitive tropo DX receiver, too.

**Q:** "What's the least likely time of the year for E-skip?"

**A:** Right about now. The February-March period usually marks a low point for E-skip in most areas, but things start to pick up steadily afterward. However, this doesn't mean you won't see or hear Es DX in that two-month period. It can and does take place any day of any week of the year.

**Q:** "What exactly is the 'wedge' type of test pattern? Why do all the TV stations seem to test using only color bars now?"



**A:** The wedge TP is a favorite among TV DXers, mainly because it's so easy to identify under weak-signal conditions. Unfortunately, it's fast becoming a thing of the past. As far as most TV engineers are concerned, it's a relic of the '50s and early '60s, when most television broadcasting was monochrome (black-and-white). Color bars are now preferable to the wedge (or just about any other type of test pattern) because they are electronically--rather than optically--produced. Unfortunately, many stations don't bother to superimpose their identification over their

color bars these days, so DXers are faced with the task of identifying the more "anonymous" color bar tests of TV stations.

